Index for Years 1962, 1963 and 1964

(Volumes 42, 43 and 44)

NOTE: The volume year is in *italic* type. Page numbers of symposium and clinic titles are in **boldface** type.

SYMPOSIA

	1962
February (Chicago)	APPLIED PHYSIOLOGY IN SURGICAL DISEASE
April (Nationwide)	CANCER MANAGEMENT—CURRENT KNOWLEDGE
June (Lahey Clinic)	SURGERY OF THE ENDOCRINE GLANDS
August (San Francisco)	PROGRESS IN GYNECOLOGY AND OBSTETRICS
October (Nationwide)	RECENT ADVANCES IN SURGERY OF THE GASTROINTESTINAL TRACT
December (Nationwide)	METHODS OF IMPROVING MORBIDITY AND MORTALITY RATES IN STANDARD OPERATIONS
	1963
February (Chicago)	CLINICAL ADVANCES IN SURGERY
April (University of Colorado)	MANAGEMENT OF TRAUMA
June (Boston)	SURGICAL COMPLICATIONS AND THEIR TREATMENT
August (Mayo Clinic)	SURGERY OF THE HEAD AND NECK
October (Nationwide)	PRIVATE CLINIC SURGERY IN THE U.S.A.
December (Accident Service, Royal Victoria Hospital, Montreal)	SURGERY OF THE SHOULDER REGION
	1964
February (Chicago)	ANCILLARY PROCEDURES IN SURGERY
April (New York)	IMMEDIATE POSTOPERATIVE COMPLICATIONS
June (Lahey)	SURGERY OF THE GASTROINTESTINAL TRACT
August (Royal Victoria Hospital, Montreal)	PRACTICAL SURGERY OF THE HAND
October (West Coast)	SURGICAL ANATOMY
December (Nationwide)	PEDIATRIC SURGERY

ABDOMEN, acute, diagnosis, abdominal pain in, *1962:* Feb., 246
serum enzymes in, *1962:* Feb., 261
aortic aneurysm, diagnosis, in surgical patient, *1964:* Feb., 29
carcinoma in, inoperable, complications of exploration with and without palliative procedures, *1964:* April, **483–492**
incisions, in gynecologic surgery, *1962:* Aug., 1037
pain in, physiology of, *1962:* Feb., **241–248**. See also under *Pain*.
surgery, decompression procedures in, *1964:* Feb., **273–280**
tap, four-quadrant, in retroperitoneal injuries, *1963:* April, 452
upper, surgical procedures, quadrant-reflecting incision in, *1963:* Oct., **1373–1377**

Abdomen (*Continued*)
wall, inguinal, anatomic reappraisal of, *1964:* Oct., **1305–1313**
wounds, complications in gynecologic surgery, *1962:* Aug., **1037–1047**
operative, infections of, *1963:* June, 766

Abdominoperineal resection for cancer of rectum, complications of, *1964:* April, **449–459**

Abortion, incompetent cervix as cause, external scarification procedure for, *1962:* Aug., **955–959**
septic, diagnosis, *1964:* June, 844

Abscess. See also under names of organs.
abdominal, postoperative, *1963:* June, 767
intraperitoneal, after colon surgery, *1963:* June, 778

Abscess (*Continued*)
lumbar, after appendectomy, *1964:* April, 424
pelvic, after appendectomy, *1964:* April, 424
after colon surgery, *1964:* April, 408
pelvic, postoperative, *1963:* June, 808
subdiaphragmatic, postoperative, *1963:* June, 874; *1964:* April, 557–561
subhepatic, after biliary tract surgery, *1964:* April, 432
subphrenic, after appendectomy, *1964:* April, 425
after colon surgery, *1964:* April, 407
Absence, of radius, management, *1964:* Aug., 1095
variations, *1964:* Aug., 1093
of thumb, management, *1964:* Aug., 1098
Accident prevention, *1963:* April, 332
Achalasia, amyenteric, esophageal, *1964:* June, 580, 581
of esophagus, modified Heller operation for, *1962:* Dec., **1407–1418**
Acid-base balance, *1962:* Feb., 41
Acid-base defects, buffers in, *1963:* June, 577–583
Acidosis, metabolic, in heart surgery, *1963:* June, 736; *1964:* April, 463
profound, fluids and electrolytes in, *1962:* Feb., 46
respiratory, during pneumonectomy, *1962:* Dec., 1530
postoperative, *1963:* June, 872, 874
treatment, tromethamine (Talatrol),
treatment, tromethamine (Talatrol) for, *1963:* Feb., **179–186**
Acid-peptic digestion, resistance of gastrointestinal tract to, *1962:* Feb., 196
Acromioclavicular joint, injuries, disability evaluation, *1963:* Dec., 1726
in athletics, *1963:* Dec., **1551–1554**
surgical anatomy, *1963:* Dec., **1541–1546**
Acromion, fractures, *1963:* Dec., 1568
ACTH. See *Corticotropin.*
Actinomycin, arterial infusion, for sarcoma, *1963:* Feb., 32
in cancer therapy, *1962:* June, 810, 814
Activity, early, in prevention of thromboembolism after operation, *1964:* Feb., **211–217**
Adenocarcinoma, of small intestine, *1964:* June, 794
of thyroid, treatment, *1962:* June, 689, 690
Adenoma. See also *Polyps.*
islet cell, of pancreas, *1962:* June, 711
and hyperinsulinism, *1964:* June, 754
of colon, logic or fantasy, *1962:* Oct., **1077–1080**
relation to cancer, *1962:* Oct., 1078, Dec., 1452
of large intestine, villous (papillary), diagnosis, *1962:* Dec., 1457
in Hawaii, *1963:* Oct., 1412
Adenoma (*Continued*)
parathyroid, *1962:* June, **633–638**
pituitary, diagnosis, *1962:* June, 581, 582
roentgen treatment, dosages, *1962:* June, **603–611**
Adenomatosis, primary chief-cell, in hyperparathyroidism, *1963:* Aug., 1119
Adenovirus infections in etiology of intussusception, *1964:* Dec., 1513
Adrenal gland(s), abnormalities of position, *1964:* Oct., 1319
and hepatic metastases in cancer, *1962:* April, 344
anatomy, surgical, *1964:* Oct., **1315–1325**
dysfunction, management, preoperative, *1963:* June, 661
embryology, *1964:* Oct., 1320
lesions, androgenism in female due to, *1962:* Aug., 964, 969, 970
malignancies, radiation therapy, *1962:* April, 415
surgical approach, *1964:* Oct., 1315
surgical diseases, diagnosis, *1962:* June, 582, 584
landmarks in history of, *1962:* June, 574
thyroid and, relation, *1962:* June, 644
tumors, *1962:* April, **545–559**
cortical, *1962:* April, 551–557
medullary, *1962:* April, 545
venous anomalies, *1964:* Oct., 1322, 1323
Adrenal steroids. See *Corticosteroids.*
Adrenalectomy, for carcinoma of breast, *1962:* April, 501, June, 699, Aug., 866, 868
for essential hypertension, physiologic principles, *1962:* Feb., 104
Adrenocortical hyperfunction in bronchogenic carcinoma, *1962:* April, 308
Adrenocortical steroids. See *Corticosteroids.*
Adrenocorticotropin. See *Corticotropin.*
Adrenogenital syndrome, *1962:* April, 555, June, 582, 584
Aerosol generator, ultrasonic, *1964:* Dec., 1613–1615
Aerosol mist tent, air oxygen, in pediatrics, *1964:* Dec., 1613, 1616, 1617
Aersol therapy in pediatrics, advances in methods and equipment, *1964:* Dec., 1611–1617
Afferent loop, obstruction, after gastrectomy, *1964:* April, 372
Agammaglobulinemia in thymic tumors, *1962:* April, 307
Age, influence on operative risk in aneurysm of aortic arch, *1962:* Dec., 1550
Aged persons, gastroduodenal disease of, surgery for, current concepts, *1963:* Feb., **261–275**
Aged women, procidentia in, treatment, *1962:* Aug., **1033–1047**
Air embolism, in head and neck surgery, *1963:* Aug., 933
postoperative, *1964:* April, 309

Airway. See also *Breathing; Respiration.*
English, in head and neck surgery, *1963:* Aug., 935, 936
in head and neck trauma, *1963:* Aug., 918
management, after esophageal surgery, *1964:* April, 355
after head and neck surgery, *1963:* Aug., 934; *1964:* April, 310
Albumin, loss, in gastric disease, *1962:* Oct., 1126
serum, in jaundice, *1964:* Feb., 18, 19
Alcohol, effect on pancreatic secretion, *1962:* Feb., 206
Aldosteronism, primary, diagnosis and treatment, *1962:* April, 552, June, 582, 584
hypertension in, surgical physiology, *1962:* Feb., 99
Alimentary tract, carcinoma, chemotherapy, *1962:* Oct., **1147–1170**
duplications, *1963:* June, 697
fluids, normal, *1962:* Feb., 39
perforation, peritonitis secondary to, management, *1962:* Dec., **1481–1487**
Alkalosis, hypokalemic, *1964:* Feb., 138
metabolic, *1962:* Feb., 42, 43
profound, fluids and electrolytes in, *1962:* Feb., 46
respiratory, *1962:* Feb., 42
Alkylating agents, in cancer therapy, *1962:* April, 353, June, 809, 810
Allan-Walsh pediatric air-oxygen aerosol tent, *1964:* Dec., 1615, 1616
Alleles, *1962:* April, 289
Allergy, gastrointestinal, *1962:* Oct., 1115
Alphaprodine for surgical anesthesia, administration, side effects and specific applications, *1963:* Oct., **1229–1242**
Ambulation, early, in prevention of thrombo-embolism after operation, *1964:* Feb., 211
Amenorrhea, congenital factors in, *1962:* June, 736
methods of evaluation, *1962:* June, 733
ovarian factors, *1962:* June, 742
postcurettage, *1962:* June, 741
role of gynecologic surgeon in, *1962:* June, **733–747**
uterine factors, *1962:* June, 741
Amethopterin, in cancer therapy, *1962:* April, 358
Amines, sympathomimetic, in hypotension, *1964:* Feb., 161, 162
Ammonia, blood, in upper gastrointestinal hemorrhage, *1962:* Oct., 1092
intoxication, prevention in cirrhotic patient, *1962:* Dec., 1505
Ampulla of Vater, carcinoma, *1964:* June, 758
Amputation, avoidance in arteriosclerotic occlusive disease by limb salvage angioplasty, *1963:* Feb., **295–309**
for ischemia, hematoma following, *1963:* June, 720
Amputation (*Continued*)
in frostbite, indications, *1963:* April, 532
index ray, *1963:* April, **367–370**
of arm, functional evaluation after, *1964:* Aug., 926
of fingers and hand, functional evaluation after, *1964:* Aug., 926, 927
Krukenberg procedure, *1964:* Aug., 1122
levels of, *1964:* Aug., **1115–1126**
prostheses in, *1964:* Aug., 1123
transmetacarpal or transcarpal, *1964:* Aug., 1121
Amylase, serum, in acute abdomen, *1962:* Feb., 262
in acute pancreatitis, *1962:* Dec., 1491
in pancreatic disease, *1962:* Feb., 258
in traumatic pancreatitis, *1963:* April, 404, 405
urine, in pancreatic disease, *1962:* Feb., 260
Anal canal. See *Anus.*
Anastomosis, complications of, in colon surgery, *1964:* April, 401
in esophageal surgery, *1964:* April, 362, 364
in gastric surgery, *1964:* April, 373, 375
Anatomy, of extensor apparatus of fingers, *1964:* Aug., **897–906**
surgical, of adrenal glands, *1964:* Oct., **1315–1325**
of anal canal and rectum, *1964:* Oct., **1297–1303**
of carotid artery, *1964:* Oct., 1175
of esophageal sphincter, *1964:* Oct., 1201, 1211
of extrahepatic biliary tract, *1964:* Oct., 1273–1285
of hand, *1964:* Oct., **1349–1368**
of liver, *1964:* Oct., **1263–1271**
of lungs, *1964:* Oct., **1191–1201**
of neck, *1964:* Oct., **1151–1160**
of pancreas, *1964:* Oct., **1253–1262**
of parathyroid glands, *1964:* Oct., 1171
of parotid gland, *1964:* Oct., **1145–1150**
of pelvic blood vessels, *1964:* Oct., **1335–1347**
of perineum, *1962:* Aug., **877–893**
of phrenic nerve, *1964:* Oct., **1217–1226**
of posterior inguinal wall, *1964:* Oct., **1305–1313**
of shoulder, *1963:* Dec., **1471–1482, 1507–1515**
of thyroid gland, *1964:* Oct., **1161–1173**
of upper stomach, *1964:* Oct., **1227–1237**
of urinary bladder and pelvic ureter, *1964:* Oct., **1327–1333**
of vagus, *1964:* Oct., **1239–1252**
of varicose veins, *1964:* Oct., **1369–1381, 1383–1402**
symposium on, *1964:* Oct., **1143–1402**

Ancillary procedures in surgery, symposium on, *1964:* Feb., **1–298**
Androgen therapy in carcinoma, *1962:* April, 359, 500
of breast, *1962:* June, 698, Aug., 864
Androgenism in female, diagnostic approach, *1962:* Aug., **961–974**
etiological categorization, *1962:* Aug., 962
treatment, *1962:* Aug., 972
Anemia, after total gastrectomy, *1964:* June, 637
aplastic, in thymic tumors, *1962:* April, 307
hemolytic, acquired, splenectomy for, *1963:* Feb., 218
primary (congenital), as indication for splenectomy, *1962:* Dec., 1512
in cancer, *1962:* April, 321
in systemic disorders, splenectomy for, *1963:* Feb., 221
Mediterranean, splenectomy for, *1963:* Feb., 220
sickle cell, splenectomy for, *1963:* Feb., 220
Anesthesia, chloroform, *1963:* June, 647
complications, postoperative, *1964:* April, **493–504**
cyclopropane, *1963:* June, 643
diethylether, *1963:* June, 645
divinyl ether (Vinethene), *1963:* June, 646
ethyl chloride, *1963:* June, 647
ethylene, *1963:* June, 645
for colpocleisis in aged, *1962:* Aug., 1035
for craniotomy, *1962:* Dec., 1568
for gastrointestinal surgery, *1964:* June, **829–840**
for hysterectomy, *1962:* Aug., 938
for operations on head and neck, *1963:* Aug., **929–942**
for otologic surgery, *1963:* Oct., 1208
for repair of aneurysm of abdominal aorta, *1962:* Dec., 1558
for transoral vocal-cord surgery, *1963:* Aug., 1083
halothane (Fluothane), *1963:* June, 647
in children, *1964:* Dec., 1599
hypotension of, drug therapy, *1964:* Feb., 166
interview preceding, *1964:* June, 831
local, in surgery of arm and hand, *1964:* Aug., **919–923**
methoxyflurane (Penthrane), in children, *1964:* Dec., 1600
nitrous oxide, *1963:* June, 644
paracervical block, in obstetrics and gynecology, *1962:* Aug., **927–931**
pediatric, apparatus, *1964:* Dec., 1601
newer agents, *1964:* Dec., 1595
preoperative medication, *1964:* Dec., 1595
recent advances in, *1964:* Dec., **1595–1610**
preoperative evaluation of patient, *1964:* June, 830
Anesthesia (*Continued*)
preoperative medication, *1964:* June, 832
prolonged recovery from, *1964:* April, 502
surgical, alphaprodine for, *1963:* Oct., **1229–1242**
thiamylal (Surital), *1963:* June, 648
thiopental (Pentothal), *1963:* June, 648
tracheobronchial aspiration of gastrointestinal contents, *1964:* June, 834
trichlorethylene (Trilene), *1963:* June, 646
Anesthetics, inhalation, ideal, characteristics of, *1963:* June, 638
old and new, theoretical and practical concepts, *1963:* June, **637–650**
uptake and distribution, *1963:* June, 638
Aneurysm(s), and occlusions of cervical carotid arteries, *1963:* Aug., **1145–1155**
cerebral, angiography in, *1964:* Feb., 66
echoencephalography in, *1964:* Feb., 59
false, postoperative, *1964:* April, 525
of aorta, abdominal, diagnosis in surgical patient, *1964:* Feb., 29
equipment for operation, *1962:* Dec., 1558
improving morbidity and mortality rates in surgical repair, *1962:* Dec., **1555–1565**
operative technique, *1962:* Dec., 1559
postoperative care, *1962:* Dec., 1564
preoperative preparation, *1962:* Dec., 1556
rupture of, *1962:* Dec., 1563
surgery of, anesthesia for, *1962:* Dec., 1558
resection of, hemorrhage following, *1963:* June, 715
of aortic arch, etiology, extent and location as influences on operative risk, *1962:* Dec., 1552
factors influencing operative risk, *1962:* Dec., **1543–1554**
of anterior communicating artery, surgical treatment, results, *1962:* June, **793–805**
of carotid arteries, *1963:* Aug., 1152
extracranial, *1963:* Feb., 289
Angina, intestinal, *1962:* Oct., **1321–1328**
Ludwig's, associated with trauma to floor of mouth, *1963:* Aug., 926
pectoris, sympathetic block for, *1964:* Feb., 85
Angiography, cerebral, alphaprodine in, *1963:* Oct., 1236
in neurosurgical diagnosis, *1964:* Feb., **65–73**
Angioplasty, limb salvage, progress in, in arteriosclerotic occlusive disease, *1963:* Feb., **295–309**
Angiotensin as vasopressor, *1964:* Feb., 164

Ankle, injuries, in skiing, biomechanics of, as related to release bindings, *1963:* April, **363–365**
Anorectal ring, anatomy, *1962:* Aug., 892
Anorectal triangle, anatomy, *1962:* Aug., 879
Anorectum, conjoint (or composite) longitudinal muscle of, *1962:* Aug., 892
Anorexia, in cancer, *1962:* April, 325
nervosa, pregnancy associated with, report of case, *1962:* Aug., **921–925**
treatment, *1962:* Aug., 924
Antagonists, narcotic, in surgical anesthesia, *1963:* Oct., 1230
Antibiotics. See also individual drugs, as *Penicillin*, etc.
excretion by pancreas, *1962:* Feb., 207
in cancer therapy, *1962:* April, 359, June, 810, 814
in gas gangrene, *1963:* April, 515
in hand infections, *1964:* Aug., 983
in peritonitis, *1962:* Oct., 1108, 1111; *1964:* Feb., 102
secondary to perforation of alimentary tract, *1962:* Dec., 1485
in shock, *1963:* June, 603
in ulcerative colitis, *1964:* June, 813
new, *1963:* June, 876
postoperative use, *1963:* June, 630
preoperative use, *1963:* June, **665–676**
use and abuse, in general surgery, *1964:* Feb., **97–106**
Anticancer agents. See also *Chemotherapy of cancer.*
effects on wound healing, *1962:* Feb., 26
Anticoagulants, bleeding from, *1963:* June, 724
effect on hepatic metastases in cancer, *1962:* April, 345
in carotid artery occlusion, *1963:* Feb., 286
in thrombo-embolic disease, comparative value, *1964:* Feb., 195
Antihemophilic factor deficiency, *1964:* Feb., 188
Antimetabolites in cancer therapy, *1962:* April, 357, June, 810, 811
Antisepsis, intestinal, in colonic surgery, *1962:* Oct., **1277–1284**
Antithyroid drugs in thyrotoxicosis, *1962:* Feb., 159
Antitoxin, gas gangrene, *1963:* April, 516
Antivenin, in black widow bite, *1963:* April, 551
in snake bite, *1963:* April, 548
Antral exclusion operation for peptic ulcer, disadvantages, *1962:* Feb., 190
Anuria, in acute circulatory failure, treatment, *1963:* April, 487
postoperative, *1963:* June, 814
Anus, anatomy, applied, *1964:* Oct., **1297–1303**
carcinoma, epidermoid squamous cell, *1962:* Oct., **1235–1241**
fissure, *1964:* Oct., 1299, 1300
Anus (*Continued*)
imperforate, *1963:* June, 699
sensitive areas, *1964:* Oct., 1300, 1301
skin tags, *1964:* Oct., 1299, 1300
Aorta, abdominal, surgery of, immediate complications, *1964:* April, **469–481**
aneurysm. See under *Aneurysm.*
circulation, temporary arrest of, for repair of aneurysm of aortic arch, influence on operative risk, *1962:* Dec., 1544
coarctation, hypertension in, *1962:* Feb., 99
septal defects, *1964:* Dec., 1462
stenosis, congenital, surgery of, *1963:* Feb., 140
variations in, *1964:* Dec., 1466
thoracic, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1425
transposition of, partial, *1964:* Dec., 1463
Aortic arch, aneurysms of, factors influencing operative risk, *1962:* Dec., **1543–1554**
Aortic-pulmonary window, *1964:* Dec., 1462
Aortic valve, total replacement, factors in improved morbidity and mortality rates, *1962:* Dec., **1537–1541**
Aortography in renal hypertension, *1962:* Feb., 117
Aorto-iliac system, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1430
Aplasia, congenital, of radial component, reconstruction of, *1964:* Aug., **1091–1105**
Apnea, production by alphaprodine, *1963:* Oct., 1233
Aponeurosis, dorsal, anatomy, *1964:* Aug., 897
Appendectomy, complications, immediate, *1964:* April, **411–429**
Appendicitis, acute, pain of, *1962:* Feb., 246
perforation of alimentary tract due to, prevention of peritonitis, *1962:* Dec., 1483
Arachnidism, *1963:* April, 549
Arm, amputation levels, evaluation of functional impairment, *1964:* Aug., 926
edema, postmastectomy, *1964:* April, 320
injuries, plastic surgery in, fundamental principles, *1964:* Aug., **971–976**
mutilating injuries, treatment, *1964:* Aug., **1107–1113**
surgery of, anesthetic procedures for, *1964:* Aug., **919–923**
Arm-trunk mechanism, surgical anatomy and function, *1963:* Dec., **1471–1482**
Arrhenoblastoma, amenorrhea and, *1962:* June, 744
Arrhythmias, after open heart surgery, *1964:* April, 337
postoperative, *1964:* April, 505

Arterial syndromes, occlusive, case selection and diagnostic methods, *1963:* Oct., **1425–1431**
Arteriography in preparation for limb salvage angioplasty, *1963:* Feb., 297
Arteriosclerosis of iliac arteries, *1964:* Oct., 1341
Arteriosclerotic occlusive disease, limb salvage angioplasty in, progress of, *1963:* Feb., **295–309**
Arteriosclerotic patient, arterial embolism in, postoperative, *1964:* April, 518
Arteriotomy, hemorrhage following, *1963:* June, 719
Arteriovenous fistula, postoperative, *1964:* April, 525
with false aneurysm, *1964:* Aug., 1042
Arteritis, postoperative, *1964:* April, 526
Artery(ies). See also under specific names.
catheterization, long-term, technical considerations in study or treatment of endocrine system, *1962:* June, **595–602**
cerebral, insufficiency, diagnosis, in surgical patient, *1964:* Feb., 25–28
occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1427
cervical, collateral circulation, *1964:* Oct., 1175
occlusive disease, *1964:* Oct., **1175–1189**
embolism, sympathetic block for, *1964:* Feb., 87
injuries, diagnosis and indications for operation, *1963:* April, 372
management, *1963:* April, **371–385**
of upper extremity, diagnosis and treatment, *1964:* Aug., **1037–1047**
sympathetic block for, *1964:* Feb., 87
mesenteric, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1428
occlusion, chronic, sympathetic block for, *1964:* Feb., 86
pelvic, surgical anatomy, *1964:* Oct., **1335–1347**
pulmonary, spasm of, drug therapy, *1963:* Feb., 127
puncture, diagnostic, hemorrhage following, *1963:* June, 719
renal, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1429
subclavian-brachial, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1428
Arthralgia, in malignant tumors, *1962:* April, 307, 319
Arthritis, of cervical spine, painful shoulder due to, *1963:* Oct., 1302, Dec., 1704
in ulcerative colitis, *1964:* June, 817
rheumatoid, surgical treatment, *1964:* Aug., **1081–1090**
Arthrodesis, in rheumatoid arthritis, *1964:* Aug., 1088
of shoulder joint, indications and technique, *1963:* Dec., **1599–1607**
of wrist, method, *1964:* Aug., 1005
Arthrography in rotator cuff rupture, *1963:* Dec., 1526
Arthroplasty, in rheumatoid arthritis, *1964:* Aug., 1088
of scaphoid, *1964:* Aug., 1003
prosthetic, in injuries and diseases of humeral head, *1963:* Dec., **1581–1597**
of hip, *1963:* Oct., **1217–1228**
Aspiration, nasotracheal, technique, *1964:* April, 542
needle, in differentiation between cystic and solid breast mass, *1963:* Oct., **1433–1437**
of gastrointestinal contents into tracheobronchus during anesthesia, *1964:* June, 834
Asthma, carotid sinus denervation for, *1963:* Feb., 291
pulmonary hypertension in, preoperative assessment and management, *1963:* Feb., 126, 128, 129
Atelectasis, of left lower lobe, as complication of splenectomy, *1962:* Dec., 1518
postoperative, *1963:* June, 871, 873; *1964:* Feb., 230, 231, April, 538
in appendectomy, *1964:* April, 411
in heart surgery, *1964:* April, 341
in lung surgery, *1963:* June, 729; *1964.* April, 327
Atherosclerosis, carotid, surgical correction, anatomical basis, *1964:* Oct., **1175–1189**
Athletic injuries, acromioclavicular and sternoclavicular joints, *1963:* Dec., **1551–1554**
Atony, gastric, following esophagogastrectomy, *1964:* April, 365
Atresia. See name of organ.
Atrium, left, double, *1964:* Dec., 1464, 1465
Atropine, preoperative, in children, *1964:* Dec., 1598
Auriculotemporal nerve, injury, at operation, *1964:* April, 308
Autografts of stomach, *1962:* Oct., 1209–1213
Auto-immunity in ulcerative colitis, *1962:* Oct., 1119
Autotransplants of small bowel, *1962:* Oct., 1193–1199
Axillary contracture after radical mastectomy, *1964:* April, 319
Axillary nerve block, in arm and hand surgery, *1964:* Aug., 921
Axillary vessels, injury, at radical mastectomy, *1964:* April, 318

BACTERIA, in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1481, 1482

Bacteriologic preparation for colonic operations, *1962:* Oct., **1277–1284**
Bacteroides infection, treatment with hyperbaric oxygen, *1964:* Feb., 111
Bandage, pressure, in leg ulcers due to vascular insufficiency, *1963:* Oct., 1308
Bankart procedure, modified, for recurrent anterior dislocation of shoulder, *1963:* Dec., **1663–1670**
Banthine, in acute pancreatitis, *1962:* Dec., 1492, 1493
Barium studies in upper gastrointestinal hemorrhage, *1962:* Oct., 1092
Bartholin's glands, *1962:* Aug., 887
Basilar angiography, *1964:* Feb., 67
Belching, fecal, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
Bennett respirator, *1964:* Feb., 234
Bennett's fracture, *1964:* Aug., 999
Biceps tendon, anatomy, *1963:* Dec., 1511
interposition, in shoulder dislocation, *1963:* Dec., 1618
Bicornuate uterus. See *Uterus, bicornuate.*
Bile, acids, in differential diagnosis of jaundice, *1964:* Feb., 18, 19
leakage, pathologic effects, *1964:* Feb., 281
peritonitis, *1964:* Feb., 281, April, 433
Bile duct(s). See also *Common duct* and *Hepatic duct.*
aberrant, surgical implications in hepatic surgery, *1964:* Oct., 1269
extrahepatic, accessory, *1964:* Oct., 1275
anatomy, surgical, *1964:* Oct., 1276
atresia or stenosis, *1964:* Oct., 1275
injuries, operative, *1964:* April, 444
intrahepatic, anatomy, surgical, *1964:* Oct., 1276
Biliary disease, diagnosis, serum enzymes in, *1962:* Feb., 254
Biliary drainage, procedures for, anatomic considerations, *1964:* Oct., 1269
Biliary fistula, postoperative, *1963:* June, 749; *1964:* April, 434
Biliary tract, extrahepatic, abnormalities of, *1964:* Oct., 1275
embryology and surgical anatomy of, *1964:* Oct., **1273–1285**
complications, *1963:* June, **741–754**; *1964:* April, **431–447**
drainage following, role of, *1964:* Feb., **281–289**
for pancreatitis, *1963:* Feb., 203
Bilirubin, excretion, disturbance in, *1964:* June, 689
metabolism, *1964:* Feb., 15, June, 685
disturbances in, *1964:* June, 687
serum, in differential diagnosis of jaundice, *1964:* Feb., 17, June, 694
Billroth II operation, for peptic ulcer, physiologic principles, *1962:* Feb., 190
Bindings, release, in skiing, biomechanics of ankle injuries as related to, *1963:* April, **363–365**
Biopsy, complications, *1962:* April, 437
Biopsy (*Continued*)
endometrial, in amenorrhea, *1962:* June, 733
in infertility, *1962:* June, 750
excisional, *1962:* April, 436
gastric, *1964:* June, 619
incisional, *1962:* April, 436
laryngeal, transoral, *1963:* Aug., 1083
liver, in jaundice, *1964:* June, 699, 702
technique for, *1963:* Oct., **1415–1417**
lymph node, in carcinoma of lung, *1963:* Feb., 110
needle, in carcinoma of lung, *1963:* Feb., 111
of kidney, complications, *1963:* June, 814
problems and techniques, *1962:* April, **435–442**
rectal, in Hirschsprung's disease, *1964:* Dec., 1495
specific applications, *1962:* April, 439
timing of, *1964:* Feb., 7
total, in adenomas of colon, importance of, *1962:* Oct., 1078
types and uses, *1962:* April, 435, 436
Bird respirator, *1964:* Feb., 234
Bites, *1963:* April, **537–553**
cat, *1963:* April, 540
dog, *1963:* April, 540–544
human, *1963:* April, 537–539
snake, *1963:* April, 544–549
spider, *1963:* April, 549–552
Bittner mammary tumor agent in mice, *1962:* April, 275
Black widow bite, *1963:* April, 549
Bladder, anatomy, surgical, *1964:* Oct., **1327–1333**
carcinoma, chemotherapy, *1962:* April, 362
by arterial infusion, *1962:* June, 818, 819
radiation therapy, *1962:* April, 415
complications, following cordotomy, *1962:* Dec., 1579
diverticula vs. bladder neck contracture, *1964:* Dec., 1545
dysfunction, after abdominoperineal resection, *1964:* April, 456
postoperative, *1963:* June, 820
in pelvic surgery, *1963:* June, 792
exstrophy, repair of, evaluation of results, *1963:* Feb., **151–161**
injury, in hernia repair, *1964:* April, 463
operative, *1963:* June, 793, 820
neck, contracture of, *1964:* Dec., **1537–1550**
obstruction in adult male, symptoms in, evaluation of, *1962:* June, **765–770**
substitution operations, *1964:* June, 852
voiding pressure, measuring, in bladder neck contracture, *1964:* Dec., 1541, 1542–1544
Bleeding. See *Hemorrhage.*
Blood, coagulation, defects, postoperative, *1964:* April, 513

Blood (*Continued*)
coagulation, hemorrhage due to, *1963:* June, 721
mechanism of, *1964:* Feb., 185
determinations, in acidosis and alkalosis, *1962:* Feb., 43
disorders, management, preoperative, *1963:* June, 656
electrolytes, normal, *1962:* Feb., 40
flow, altered, and hepatic metastases in cancer, *1962:* April, 340
gases, measurement in postoperative ventilatory failure, *1963:* June, 631
loss, acute, hypotension of, treatment, *1964:* Feb., 168, April, 497
pressure, definition of, *1964:* Feb., 155
transfusions. See under *Transfusions.*
vessels, pelvic, surgical anatomy, *1964:* Oct., **1335–1347**
volume, determinations, apparatus for, *1963:* June, 601, 602
clinical applications, *1963:* Feb., 191
dye dilution techniques, *1963:* Feb., 187
importance, in surgical patients, *1963:* Feb., **187–199**
radioisotope methods, *1963:* Feb., 188
expanders, in acute circulatory failure, *1963:* April, 487
loss, assessment and treatment, in shock, *1963:* June, 600
correction, preoperative, *1963:* June, 656
Blood-forming tissues, tumors of, systemic effects, *1962:* April, 317
Bochdalek hernia, *1962:* Oct., 1187
Boeck's sarcoidosis, *1963:* Oct., 1289
Bone(s), changes, in bronchogenic carcinoma, *1962:* April, 307, 319
grafting, immobilization of mandible for, in edentulous mouth, *1963:* Aug., **991–995**
of hand, instrumentation and technique, *1964:* Aug., 1003
of scaphoid, *1964:* Aug., 1003
reactions to, *1964:* Aug., 995
long. See *Humerus, Radius, Tibia, Ulna.*
malignancies, radiation therapy, *1962:* April, 416
marrow, transplantation, *1963:* Feb., 172
metallic implants, reactions to, *1964:* Aug., 995
tumors, frozen section examination, *1962:* April, 451
Bowel. See *Intestine(s).*
Braces for spastic hand, *1964:* Aug., 1067
Brachial angiography in neurosurgical diagnosis, *1964:* Feb., **65–73**
Brachial plexus, anatomy, *1963:* Dec., 1481
block, supraclavicular, in arm and hand surgery, *1964:* Aug., 920
lesions, in fractures and dislocations of shoulder, *1963:* Dec., 1687
Brain, abnormalities, diagnosis by angiography, *1964:* Feb., **65–73**
by ultrasound, *1964:* Feb., **55–64**
complications, in heart surgery, *1964:* April, 343
tumors, arterial infusion chemotherapy, *1962:* April, 380
metastatic, results of surgical and nonsurgical treatment, *1964:* June, **865–872**
radiation therapy, *1962:* April, 409
Branchial-cleft cysts and sinuses, embryologic development and surgical management, *1963:* Aug., **1033–1039**
Breast, biopsy of, *1962:* April, 441
carcinoma, adrenalectomy for, *1962:* April, 501, June, 699, Aug., 866, 868
advanced, treatment, *1962:* April, 499
chemotherapy, *1962:* April, 362, 501, Aug., 870
hormonal treatment, *1962:* April, 359, 499, June, 697, Aug., 857, 864
hypophysectomy for, *1962:* April, **419–433**, 501, June, 699
mastectomy for. See under *Mastectomy.*
metastasis in, *1962:* Aug., 842
metastatic, management, *1962:* Aug., **861–876**
oophorectomy for, *1962:* June, 697, Aug., 866
radiation therapy, *1962:* April, 413, 496, Aug., 854
palliative, *1962:* Aug., 869
plus simple mastectomy, *1962:* Aug., 846, 855, 858
treatment, *1962:* April, **493–505**, Aug., **839–876**
frozen section examination, *1962:* April, 449
implants, silicone rubber, *1963:* Oct., 1315
lymphatic drainage, *1962:* Aug., 842
masses, cystic and solid, differentiation by needle aspiration, *1963:* Oct., **1433–1437**
Breathing. See also *Airway* and *Respiration.*
exercises, in surgical care, *1964:* Feb., 222
intermittent positive pressure, in infants, *1964:* Dec., 1618
in lung physiotherapy, *1964:* Feb., 224
in postoperative ventilatory failure, *1963:* June, 633
Brizzi needle, for cordotomy, *1962:* Dec., 1576
Broad ligament, varicose veins in, *1962:* Aug., **975–983**
Bromsulphalein test, in jaundice, *1964:* Feb., 20
in upper gastrointestinal hemorrhage, *1962:* Oct., 1091
Bronchitis, chronic, postoperative infection and, *1963:* June, 871

Bronchodilators, postoperative, *1963:* June, 630
Bronchogenic carcinoma. See *Lung, carcinoma.*
Bronchopleural fistula, postoperative, in lung surgery, *1963:* June, 728; *1964:* April, 327
Bronchoscopy, in carcinoma of lung, *1963:* Feb., 109
postoperative, *1964:* April, 544
Bronchus(i), variants, *1964:* Oct., 1195
Buffers in acid-base defects, *1963:* June, **577–583**
Bunnell, Sterling, surgical giant at work—a characterization and tribute, *1964:* Aug., **889–896**
Burns, care of wound, *1963:* Feb., 233
emergency care, *1963:* Feb., 230
fluids and electrolytes in, *1962:* Feb., 47
in child, fluid and electrolyte deficits, estimating, *1963:* April, 499
infection in, *1962:* Feb., 83
prevention, *1963:* Feb., 236
late care of, *1963:* April, **507–509**
mass casualty therapy, *1963:* Feb., 229
of hand, management, *1964:* Aug., **977–979**
physiologic changes in, *1962:* Feb., 81
severe, nutrition in, *1962:* Feb., 87
shock in, treatment, *1963:* Feb., 231
skin grafting in, *1963:* Feb., 237; April, 508
team effort in (burn unit), *1963:* Feb., 229
treatment, recent advances, *1963:* Feb., **229–244**
Bursa, subacromial, *1963:* Dec., 1480
Bursitis, as cause of painful shoulder, *1963:* Oct., 1304
Busulfan in cancer, *1962:* April, 356
Butanol-extractable iodide test of thyroid function, *1962:* June, 645
Bromsulphalein test in jaundice, *1964:* Feb., 20

CACHEXIA in cancer, *1962:* April, 324
Calcified deposits, in rotator cuff, experimental production of, *1963:* Dec., 1483
natural history and clinical syndromes, *1963:* Dec., **1489–1493**
in shoulder, nonoperative treatment, *1963:* Dec., **1495–1499**
operative treatment, *1963:* Dec., **1501–1504**
results of treatment, *1963:* Dec., **1505–1506**
Calcium metabolism, *1962:* Feb., 172
in acute pancreatitis, *1962:* Feb., 210
Calculus(i), common duct. See *Common duct stones.*
jaundice due to, after biliary tract surgery, *1964:* April, 440
Calories, intravenous administration, *1962:* Oct., 1140
requirements, in gastrointestinal surgery, *1962:* Oct., 1137
Cancer. See *Carcinoma.*
Capsulitis, adhesive, as cause of painful shoulder, *1963:* Oct., 1301, Dec., 1708–1713
Capsulotomy, technique, *1963:* Dec., 1714
Carbohydrates in wound healing, *1962:* Feb., 20
Carbon dioxide retention, assisted ventilation in, *1964:* Feb., 232
Carcinoid, of duodenum, *1964:* June, 673
of gastrointestinal tract, *1962:* April, 315
of liver, malignant, metastatic, right hepatic lobectomy for, *1963:* Feb., 67
of rectum, *1962:* Oct., **1243–1244**
of small intestine, *1964:* June, 796
syndrome, *1964:* June, 799
malignant, *1962:* April, 315
chemical diagnosis, *1963:* Oct., 1255
clinical features, *1963:* Oct., 1254
resection of massive liver metastases in, *1963:* Oct., **1253–1262**
Carcinoma. See also specific organs.
biopsy in, problems and techniques, *1962:* April, **435–442**
cells, dormant, and hepatic metastases, *1962:* April, 338
chemotherapy. See *Chemotherapy.*
death in, causes of, *1962:* April, **305–334**
diagnosis, serum enzymes in, *1962:* Feb., 250
embryonal cell, *1962:* June, 784
epidermoid, of perianus and anal canal, *1962:* Oct., **1235–1241**
frozen section examinations in, *1962:* April, **443–454**
genetics in, *1962:* April, **289–303**
histologic grade, and radiosensitivity, *1962:* Aug., 988, 989
in suture line after esophagogastrectomy, *1964:* April, 365
in ulcerative colitis, *1964:* June, 816
inoperable, in abdomen, exploration in, with and without palliative procedures, complications of, *1964:* April, **483–492**
jaundice due to, after biliary tract surgery, *1964:* April, 442
intra-oral. See *Mouth, carcinoma*
lymph node dissection in, prophylactic, *1963:* Feb., **49–61**
management, current knowledge, symposium on, *1962:* April, **271–558**
metastases, host factors influencing development of, *1962:* April, **335–351**
pelvic, surgery of, special problems in, *1963:* June, 805
periampullary, *1964:* June, 757
pleural effusions in, talc poudrage in treatment, *1962:* Dec., **1521–1526**
treatment by partial pleurectomy, *1963:* Feb., **99–108**
radiation therapy, *1964:* Feb., **91–96**

Carcinoma (*Continued*)
radiation therapy, place in modern management, *1962:* April, **403–417**
surgery of, chemotherapy adjuvant to, *1962:* Oct., 1164; *1963:* Feb., **39–48**
systemic effects, *1962:* April, **305–334**
treatment, overall end results, *1962:* June, 808
viruses and, *1962:* April, **273–287**
animal studies, pertinence in humans, *1962:* April, 278
wound healing and, *1962:* Feb., 28
Cardia, esophagus and, carcinoma of, surgical treatment, *1962:* Dec., 1397–1405
Cardiac. See also *Heart.*
at operation, *1964:* June, 837
detection by electronic cardiac monitoring, *1964:* June, 839
treatment, *1964:* June, 839
in heart surgery, *1963:* June, 734; *1964:* April, 339
in lung surgery, *1964:* April, 331
management, *1963:* June, **703–714**
postoperative, *1964:* April, 507
vasopressors in, *1964:* Feb., 168
Cardiac catheterization, heart injury due to, *1964:* April, 511
Cardiac resuscitation with monopulse DC current defibrillator, *1964:* Feb., **243–251**
Cardiospasm causing esophageal obstruction, *1964:* June, 580, 581
Cardiovascular monitors for children, *1964:* Dec., 1604
Cardiovascular surgery, pulmonary hypertension and, *1962:* Feb., **131–140**
Carotid artery(ies), aneurysms of, *1963:* Aug., 1152
angiography, *1964:* Feb., 66
buckling, *1963:* Feb., 286
cervical, occlusions and aneurysms, *1963:* Aug., **1145–1155**
results of treatment, *1963:* Aug., 1149
technique of endarterectomy, *1963:* Aug., 1147
common, occlusions, *1963:* Feb., 284
surgical anatomy, *1964:* Oct., 1156
embolus, *1963:* Feb., 287
extracranial, aneurysm, *1963:* Feb., 289
occlusive disease, *1963:* Feb., 278
surgery of, current concepts, *1963:* Feb., **277–294**
insufficiency, diagnosis, *1964:* Feb., 26, 27, 28, Oct., 1183
surgical correction, anatomic basis, *1964:* Oct., **1175–1189**
transient ischemic attacks in, *1964:* Oct., 1180
treatment, *1964:* Oct., 1185
internal, occlusion, *1963:* Feb., 279, 281
occlusive lesions of, *1963:* Aug., **1145–1155**
Carotid body, embryology, anatomy and function, *1963:* Aug., 1135
tumors, *1963:* Feb., 288, Aug., **1135–1144**, Oct., 1290
Carotid endarterectomy, anesthesia for, *1963:* Aug., 941
technique, *1963:* Aug., 1147
Carotid region of neck, *1964:* Oct., 1154, 1155
Carotid sheath, surgical anatomy, *1964:* Oct., 1158
Carotid sinus, surgery of, *1963:* Feb., 290
Carpal tunnel, flexor tendon injuries, primary and secondary repair, *1964:* Aug., 956
syndrome, *1964:* Aug., 1034
Castration, in carcinoma of breast, *1962:* June, 697, Aug., 866
Casualties, mass, threat of, *1963:* April, 330
Cat bites, *1963:* April, 540
Catecholamine production and metabolism in neuroblastoma, *1964:* Dec., 1473
Catheter, Foley, cecostomy, value in conjunction with resection of left colon and rectosigmoid, *1962:* Dec., **1475–1479**
for intestinal decompression, *1962:* Feb., 231, 232
radiopaque, in diagnosis of esophageal atresia, *1962:* Dec., 1388
Catheterization, arterial, long-term, technical considerations in study or treatment of endocrine system, *1962:* June, **595–602**
cardiac, heart injury due to, *1964:* April, 511
hepatic artery, for prolonged infusion chemotherapy of liver cancer, *1964:* June, **763–778**
Causalgia, sympathetic block for, *1964:* Feb., 82–85
Cauterization of cervical os, stricture following, *1962:* Aug., 1026
Cecostomy, complications, *1963:* June, 783; *1964:* April, 404
Foley catheter, value in conjunction with resection of left colon and rectosigmoid, *1962:* Dec., **1475–1479**
for decompression, *1964:* Feb., 277
tube, for intestinal decompression, *1962:* Feb., 237
Cecum, benign ulcer, in Hawaii, *1963:* Oct., 1408
tuberculosis, in Hawaii, *1963:* Oct., 1409
Celiotomy, exploratory, in inoperable cancer in abdomen, complications of, *1964:* April, **483–492**
Cellulitis, of hand, *1964:* Aug., 987, 988
pelvic, postoperative, *1963:* June, 809
Cerebral angiography, alphaprodine in, *1963:* Oct., 1236
in neurosurgical diagnosis, *1964:* Feb., **65–73**
Cerebral palsy, surgery of hand in, *1964:* Aug., **1061–1070**

Cerebrovascular disease, diagnosis, *1964:* Feb., 25
by angiography, *1964:* Feb., **65–73**
by echoencephalography, *1964:* Feb., 57
Cerebrovascular disease, ischemic, categories of, *1963:* Aug., 1146
Cerebrovascular insufficiency, diagnosis, in surgical patients, *1964:* Feb., 25–28
Cerebrovascular occlusion, acute, sympathetic block for, *1964:* Feb., 85
Cervical rib, *1963:* Dec., 1481
cervicobrachial pain due to, *1963:* Dec., 1705
Cervical spine. See *Spine, cervical.*
Cervicobrachial pain, *1963:* Dec., **1679–1684, 1691–1695, 1697–1701, 1703–1714.** See also *Pain, cervicobrachial* and *Shoulder, painful.*
Cervix uteri, absence of, *1962:* June, 739
atresia, etiology, diagnosis andtreatment, *1962:* Aug., **1025–1031**
malignancy and, *1962:* Aug., 1028
postcurettage, amenorrhea and, *1962:* June, 741
infertility and, *1962:* June, 754
carcinoma, cervical stenosis and, *1962:* Aug., 1028
chemotherapy by arterial infusion, *1962:* June, 817
clinical staging, *1962:* April, 532
combined radiation and surgery, *1962:* April, 535
in pregnancy, *1962:* April, 536
of stump, *1962:* April, 536
radiation therapy, *1962:* April, 414
radiosensitivity of, *1962:* Aug., **985–1004**
testing procedures, *1962:* Aug., 987
recurrent or radioresistant, *1962:* April, 537
surgical treatment, *1962:* April, 531–538
incompetent os, external scarification procedure for, experiences with, *1962:* Aug., **955–959**
infertility and, *1962:* June, 754
Cesarean section, complications of, hysterectomy in, *1962:* Aug., 934
Checkrein shoulder. See *Frozen shoulder.*
Chemodectoma, paraphrayngeal, *1963:* Aug., 1044
Chemotherapy, of cancer, *1964:* Feb., **113–123**
adjuvant to surgery, *1962:* Oct., 1164; *1963:* Feb., **39–48**; *1964:* Feb., 121
advances in, *1962:* April, **353–364**
agents, clinically available, *1964:* Feb., 113
dosage and route and diseases showing favorable response, *1962:* June, 810
by continuous arterial infusion, *1962:* April, **365–388**, June, 815, Oct., 1159; *1963:* Feb., **31–38**; *1964:* Feb., 118
Chemotherapy (*Continued*)
by single dosage, intra-arterial injection, *1962:* Oct., 1155
for control of malignant effusions, *1964:* Feb., 115
for palliation, *1964:* Feb., 114
new advances in, *1962:* April, **353–364**
of alimentary tract, *1962:* Oct., **1147–1170**
of breast, *1962:* April, 362, 501, Aug., 870
of colon, *1962:* Oct., 1230
of liver, prolonged infusion technique, hepatic artery catheterization for, *1964:* June, **763–778**
of lung, adjuvant to surgery, *1963:* Feb., 120
perfusion techniques and problems, *1962:* April, **389–402**, June, 815, Oct., 1155; *1964:* Feb., 116
in head and neck, *1962:* April, 474
regional, *1962:* June, 815; *1964:* Feb., 116
solid tumors, advances in, *1962:* June, **807–822**
systemic, *1962:* June, 808
of malignant melanoma, by regional perfusion, *1962:* April, 464
systemic, *1962:* April, 463
Cherney incision, *1962:* Aug., 1038
Chest, diseases of, diagnosis by thoracotomy, *1963:* Oct., **1293–1297**
surgery, alphaprodine in, *1963:* Oct., 1233
wall, biopsy, *1962:* April, 441
Chief-cell hyperplasia, in hyperparathyroidism, *1963:* Aug., 1119
Children, anesthesia in, recent advances, *1964:* Dec., **1595–1610**
colonic replacement of esophagus in, *1964:* Dec., **1436–1447, 1449–1457**
contracture of bladder neck in, *1964:* Dec., **1537–1550**
esophageal varices in, surgical treatment, *1964:* Dec., **1423–1431**
Hirschsprung's disease in, *1964:* Dec., 1495–1508
hyperbaric oxygenation in, current status, *1964:* Dec., **1583–1594**
hypospadias in, *1964:* Dec., **1551–1570**
inguinal hernias in, *1963:* Oct., **1393–1396**
inhalation therapy in, recent advances, *1964:* Dec., **1611–1623**
injured, parenteral fluid therapy in, *1963:* April, **497–505**
intussusception in, etiology, *1964:* Dec., **1509–1520**
malignant transformation of benign laryngeal papillomas after radiation therapy, *1963:* Aug., **1049–1061**
neuroblastoma in, *1964:* Dec., **1469–1481**
preoperative medication in, *1964:* Dec., 1595

Children (*Continued*)
surgery of, hyperbaric oxygenation in, *1964:* Dec., **1583–1594**
symposium on, *1964:* Dec., **1421–1623**
surgical complications in, *1963:* June, **685–702**
ulcerative colitis in, surgical treatment, *1964:* Dec., **1521–1536**
unusual congenital cardiac anomalies in, *1964:* Dec., **1459–1468**
Chin, augmentation with silicone rubber, *1963:* Oct., 1318
Chlorambucil in cancer therapy, *1962:* April, 356, June, 810, 814
Chloroform anesthesia, *1963:* June, 647
Chlorpromazine in shock, evaluation of, *1964:* Feb., 175, 177, 180
Cholangiography, current concepts, *1964:* June, **731–741**
intravenous, *1964:* June, 732
operative, *1964:* Feb., 35–38, June, 736
oral, *1964:* June, 731
transhepatic, percutaneous, *1964:* June, 739
in jaundice, *1964:* June, 702
Cholangiojejunostomy, intrahepatic, for common duct structure, *1962:* Oct., 1335; *1964:* June, 720
Cholangitis, following gallstone surgery, *1963:* June, 751
jaundice due to, after biliary tract surgery, *1964:* April, 442
Cholecystectomy, complications of, *1964:* April, **431–447**
diet after, *1964:* June, 662
drainage after, *1964:* Feb., 286, 288
for pancreatitis, *1963:* Feb., 203
Cholecystitis, acute, management, review of 324 cases, *1964:* June, **707–716**
perforation of alimentary tract due to, prevention of peritonitis, *1962:* Dec., 1483
Cholecystostomy, indications and techniques, *1964:* Feb., 284
Choledochoduodenostomy, in common duct stricture, *1962:* Oct., 1333
Choledochostomy, drainage after, *1964:* Feb., 285, 286
for pancreatitis, *1963:* Feb., 203
Cholesterol, serum, in jaundice, *1964:* Feb., 18, 19, June, 694
Chordee, repair, in hypospadias, *1964:* Dec., 1554
Chordotomy, complications, *1962:* Dec., 1579
indications for, *1962:* Dec., 1578
technique, refinements in, *1962:* Dec., **1575–1582**
Choriocarcinoma, *1962:* June, 783
Chromosomes, study of, *1962:* April, 296
Chronaxie, determination, in peripheral nerve injury, *1964:* Feb., 270
Chvostek test, *1962:* Feb., 175
Cineroentgenography, in diagnosis of esophageal achalasia, *1962:* Dec., 1408
Cingulotomy, in control of craniofacial pain, *1963:* Aug., 959
Circulation, disturbances, postoperative, *1964:* April, 497, **505–535**
extracorporeal, complications of, *1964:* April, 512
failure, acute, in trauma, management, *1963:* April, **469–495**
physiologic considerations, *1963:* April, 471
Circulatory system, functional composition of, *1963:* April, 471
Cirrhosis, and hepatic metastases in cancer, *1962:* April, 340
hepatic. See *Liver, cirrhosis of.*
Citanest (L67 Astra) in hand surgery, *1964:* Aug., 919
Clavicle, fractures, complications, *1963:* Dec., 1560
disability evaluation, *1963:* Dec., 1725
treatment, *1963:* Dec., **1555–1563**
surgical anatomy and function, *1963:* Dec., 1471
Claw hand, restoration of balance and function of, *1964:* Aug., 1054
Cleland's ligament, *1964:* Aug., 905
Clostridial infections following colon surgery, *1964:* April, 400
Clostridial myonecrosis, surgical treatment, hyperbaric oxygen in, *1964:* Dec., 1584
Coagulation, defects, in malignant tumors, *1962:* April, 319, 320
postoperative, *1964:* April, 513
hemorrhage due to, *1963:* June, 721
mechanism of, *1964:* Feb., 185
Cofflator, use, in lung physiotherapy, *1964:* Feb., 224
Coarctation of aorta. See under *Aorta.*
Cold, injuries due to, in civilian medical practice, *1963:* April, **519–536**
Colectomy. See *Colon, resection.*
Colitis, ulcerative, acute fulminating, *1964:* June, 815
anatomical approach for completing proctectomy phase of one-stage proctocolectomy for, *1964:* Oct., **1287–1296**
immunologic considerations, *1962:* Oct., **1115–1123**
in childhood, surgical treatment, *1964:* Dec., **1521–1536**
in Hawaii, *1963:* Oct., 1404
surgical aspects, analysis of 88 cases, *1962:* Oct., **1245–1256**
treatment, *1964:* June, **811–820**
medical, *1964:* June, 813
surgical, *1964:* June, 817
indications for, *1964:* June, 814
Colloids, radioactive, in surgery, *1964:* Feb., 79
Colocystoplasty, *1964:* June, 853
Colon, adenoma, logic or fantasy, *1962:* Oct., **1077–1080**
relation to cancer, *1962:* Oct., 1078

Colon (*Continued*)
as material for replacement of cervical esophagus, *1963:* Aug., 1177, 1178, 1179
biopsy of, *1962:* April, 440
blood supply, *1962:* Oct., 1223
carcinoma, *1962:* April, **519–530**
chemotherapy, *1962:* April, 363, Oct., 1152, 1230
local measures, *1962:* Oct., 1152
regional methods, *1962:* Oct., 1155
systemic, *1962:* Oct., 1161
diagnosis, *1962:* Oct., 1219
relation of polyps to, *1962:* Dec., 1451
roentgen treatment, preoperative, *1962:* Oct., 1228
surgical treatment, choice of operation, *1962:* Oct., 1222
current considerations, *1962:* Oct., **1219–1234**
palliative, *1962:* Oct., 1226
systemic effects, *1962:* April, 316
treatment, new concepts in, *1962:* Oct., 1228
closure, primary, with and without colostomy, in trauma, *1963:* April, 459, 460
diverticulitis, indications for surgery, *1964:* June, **785–790**
one-stage resection in, indications, *1962:* Oct., 1268
rectal bleeding in, *1962:* Oct., 1272
surgical treatment, current trends, *1962:* Oct., **1267–1276**
with perforation, management, *1962:* Oct., 1273
fistula from, *1962:* Oct., 1319
treatment, *1962:* Oct., 1317
injuries, at splenectomy, *1962:* Dec., 1518
management of, *1963:* April, **457–467**
interposition, in esophageal varices in children, *1964:* Dec., 1428
left, rectosigmoid and, resection of, valve of Foley catheter cecostomy, *1962:* Dec., **1475–1479**
malignant lesions, in Hawaii, *1963:* Oct., 1397
obstruction, postoperative, *1963:* June, 844
perforation, peritonitis due to, management, *1962:* Oct., 1110
polyps, cancer and, *1962:* Oct., 1078, 1219
logic or fantasy, *1962:* Oct., **1077–1080**
resection, for carcinoma, areas of, *1962:* Oct., 1223
extended operations, *1962:* Oct., 1226
precautionary measures, *1962:* April, 524
preoperative preparation, *1962:* April, 523
problem of local seeding, *1962:* Oct., **1225**

Colon (*Continued*)
resection, for diverticulitis, one-stage, *1962:* Oct., 1268
optimal length to be resected, *1962:* Oct., 1269
for ulcerative colitis in children, ileorectal anastomosis in, *1964:* Dec., 1528
segmental, complications, *1963:* June, 785
with colostomy and with end-to-end anastomosis, in trauma, *1963:* April, 460
rupture of, peritonitis due to, *1962:* Oct., 1102
surgery of, bacteriologic preparation, *1962:* Oct., **1277–1284**
complications, *1963:* June, **775–788**
immediate, *1964:* April, **397–410**
surgical lesions, in Hawaii, *1963:* Oct., **1397–1414**
transplant, for reconstruction of cervical esophagus, *1963:* Feb., **3–10**
of thoracic esophagus, *1963:* Feb., **11–30**; *1964:* Dec., **1436–1447**
retrosternal, for reconstruction of esophagus in children, *1964:* Dec., **1449–1457**
urologic uses, *1964:* June, **849–858**
Coloproctectomy, radical, in ulcerative colitis in children, *1964:* Dec., 1527, 1530
Colostomy, *1964:* June, **821–828**
aftercare, *1964:* June, 825
complications, *1964:* June, 827
closure, technique, *1963:* April, 464
complications, *1963:* June, 683
diet after, *1964:* June, 661
for decompression, *1964:* Feb., 277–279
ileotransverse, complications, *1963:* June, 784
in colon injuries, *1963:* April, 460
in diverticulitis with perforation, *1964:* June, 786
in Hirschsprung's disease, *1964:* Dec., 1496
intrasphincteric, *1964:* June, 851
locations, preferred, *1963:* April, 462
loop, technique, *1963:* April, 462, 463
sigmoid, complications, *1964:* April, 406
necrosis of, after abdominoperineal resection, *1964:* April, 455
with ureteroenterostomy, *1964:* June, 851
technique, *1964:* June, 823
transverse, complications, *1964:* April, 405
for intestinal decompression, *1962:* Feb., 237
urinary, *1964:* June, 851
Colpocleisis, LeFort, modified, for uterine prolapse, *1962:* Aug., 1034
Colpotomy, in amenorrhea, *1962:* June, 735
Coma, hepatic, prevention in cirrhotic patient, *1962:* Dec., 1505

Common duct, anatomy, surgical, *1964:* Oct., 1281
cholangiography, operative, *1964:* Feb., 37, 38
cystic disease, *1964:* Oct., 1276
dilatation, intravenous cholangiography in, *1964:* June, 735
drainage of, *1964:* Feb., 285, 287
prior to pancreaticoduodenectomy, *1962:* Oct., 1359
injury, in duodenal surgery, *1964:* April, 384
operative, *1963:* June, 745
repair of, *1964:* April, 445
obstruction, intravenous cholangiography in, *1964:* June, 735
stones, exploration for, at operation for acute cholecystitis, *1964:* June, 713
residual, *1963:* June, 752
stricture, etiology, prevention and surgical treatment, *1962:* Oct., **1329–1337**
intravenous cholangiography in, *1964:* June, 736
traumatic, selection of operation for, *1964:* June, **717–729**
two-stage Y tube repairs, *1964:* June, **721–726**
Communicating artery, anterior, aneurysms of, results of surgical treatment, *1962:* June, **793–805**
Compatibility, tissue, *1962:* Feb., 57
Complications of surgery, and their treatment, symposium on, *1963:* June, **575–904**
immediate, symposium on, *1964:* April, **303–564**
in infants and children, *1963:* June, **685–702**
Compression dressings in hand surgery, *1964:* Feb., 265
Conization of cervix, stricture following, *1962:* Aug., 1026
Conjoined tendon, *1964:* Oct., 1310
Conjoint longitudinal muscle of anorectum, *1962:* Aug., 892
Contracture, axillary, following radical mastectomy, *1964:* April, 319
Dupuytren's, limited and extensive operations in, *1964:* Aug., **1071–1080**
fascial, of hand, correction, *1964:* Aug., 1074
joint, in hand, correction, *1964:* Aug., 1076
of bladder neck, *1964:* Dec., **1537–1550**
skin, in hand, correction, *1964:* Aug., 1076
Contrast visualization, operative, *1964:* Feb., **35–43**
Cooper, Sir Astley, *1963:* April, 319, 320
Cor pulmonale, pulmonary hypertension in, preoperative assessment and management, *1963:* Feb., 126, 128, 129
Cor triatriatum, *1964:* Dec., 1464, 1465
Coraco-acromial arch, anatomy, *1963:* Dec., 1508, 1509
Coracoid process, fractures, *1963:* Dec., 1568
Cordotomy. See *Chordotomy.*
Cornea, abrasion, in head and neck surgery, *1964:* April, 306
Coronary artery, drainage, anomalous, *1964:* Dec., 1461
Coronary thrombosis following appendectomy, *1964:* April, 413
Corpus uteri, carcinoma, *1962:* April, **538–542**
Corticosteroids, effects on wound healing, *1962:* Feb., 25
gastric secretion and, *1962:* Feb., 195
in carcinoma of breast, *1962:* Aug., 865
in frozen shoulder, indications, *1963:* Dec., **1715–1720**
in ulcerative colitis, *1964:* June, 813
treatment with, management of surgical patient after, *1962:* June, **589–593**
Corticotropin, in calcified deposits in shoulder, *1963:* Dec., 1496
in malnutrition, in surgical patient, *1964:* Feb., 152
in ulcerative colitis, *1964:* June, 813
Cortisone, and hepatic metastases in cancer, *1962:* April, 344
following hypophysectomy, *1962:* Dec., 1571
in bacterial peritonitis, *1962:* Oct., 1110
induction of peptic ulcer by, *1962:* Feb., 196
Cortisone-treated patient, management, in esophageal surgery, *1964:* April, 361
Cough, rib fractures due to, in pregnancy, *1962:* Aug., 912
Craniotomy, alphaprodine in, *1963:* Oct., 1237
methods of improving morbidity and mortality rates, *1962:* Dec., **1567–1573**
Cubital tunnel syndrome, *1964:* Aug., 1034
Culdoscopy, *1964:* June, 842
in amenorrhea, *1962:* June, 734
in androgenism in female, *1962:* Aug., 969
in infertility, *1962:* June, 753
Curare as relaxant in pediatrics, *1964:* Dec., 1600
Curettage, of uterus, amenorrhea following, *1962:* June, 741
in endometrial polyps, *1962:* Aug., 1017
infertility following, *1962:* June, 754
paracervical block for, *1962:* Aug., 930
stricture following, *1962:* Aug., 1026
Cushing's syndrome, diagnosis and treatment, *1962:* April, 554, June, 582, 584
hypertension in, surgical physiology, *1962:* Feb., 98
virilism in women in, *1962:* Aug., 964, 966
Cyclophosphamide in cancer therapy, *1962:* April, 357, June, 810, Aug., 870

Cyclopropane anesthesia, *1963:* June, 643
Cyst(s), branchial, *1963:* Oct., 1290
branchial-cleft, embryologic development and surgical management, *1963:* Aug., **1033–1039**
common duct, *1964:* Oct., 1276
esophageal, *1964:* June, 578, 579
head and neck, *1963:* Oct., **1283–1292**
ovarian, infertility due to, treatment, *1962:* June, 761
ruptured, diagnosis, *1964:* June, 843
pancreatic, *1964:* June, 751
surgery of, for pancreatitis, *1963:* Feb., 204
thyroglossal duct, *1963:* Aug., **1023–1032**, Oct., 1290; *1964:* Oct., 1162, 1170
vocal cords, transoral approach, *1963:* Aug., 1085
Cystic artery, relationship to cystic and common ducts, *1964:* Oct., 1280
Cystic duct, anatomy, surgical, *1964:* Oct., 1280, 1281, 1282
cholangiography, operative, *1964:* Feb., 36, 37
pancreatography, operative, *1964:* Feb., 39
Cystic hygroma. See *Hygroma.*
Cystoplasty, urinary, *1964:* June, 852
Cystourethrography, voiding, in bladder neck contracture, *1964:* Dec., 1541, 1542, 1546–1549
Cytology in diagnosis of gastric lesions, *1964:* June, 619
Cytoxan, in cancer, *1962:* April, 357, June, 810
of breast, *1962:* Aug., 870

DEAFNESS, otosclerotic, surgery for, *1963:* Oct., **1203–1215**. See also *Otosclerosis.*
Débridement, in burns, *1963:* Feb., 234, April, 507
Decompression, by Foley catheter cecostomy, in resection of left colon and rectosigmoid, *1962:* Dec., **1475–1479**
gastrointestinal, in reconstructive and biliary surgery, *1962:* Feb., **231–239**
portal, in esophageal varices, in children, *1964:* Dec., 1424
postoperative, tube gastrostomy for, *1963:* Oct., **1243–1252**
procedures in abdominal surgery, *1964:* Feb., **273–280**
surgical, in metastatic tumors of spinal canal, *1963:* Oct., 1353
Decubitus ulcers, treatment, recent advances, *1963:* Feb., **245–260**
Defibrillation, electrical, in cardiac arrest, *1963:* June, 710
Defibrillator, DC current, monopulse, cardiac resuscitation with, *1964:* Feb., **243–251**
Degranol, in cancer, *1962:* April, 356
Dehiscence, wound, *1962:* Feb., 23, Aug., 1042
Dehydration, *1962:* Feb., 37
correction, preoperative, *1963:* June, 652
in injured child, fluid and electrolyte losses, estimating, *1963:* April, 501
Delalutin, in cancer, *1962:* June, 810, 814
Deoxyephedrine as vasopressor, *1964:* Feb., 162, 163, 164
Dermatomyositis, in malignant tumors, *1962:* April, 319
Dextran, kinds of, *1963:* June, 588
low viscous, pharmacology, uses and hazards, *1963:* June, **588–593**
Diabetes mellitus, management, preoperative, *1963:* June, 661
Dialysis, in acute tubular necrosis, *1963:* April, 556, 561, 565
peritoneal, complications, *1963:* June, 893
in acute renal failure, *1963:* June, **883–896**
technique, *1963:* June, 885
Diaphragm, hernia, gastrointestinal manifestations, *1962:* Oct., **1181–1189**
surgical complications, in children, *1963:* June, 691
traumatic, *1962:* Oct., 1186
urogenital, anatomy of, in female, *1962:* Aug., 888
in male, *1962:* Aug., 884
Diarrhea, after total gastrectomy, *1964:* June, 638
as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
in islet cell tumors of pancreas, *1962:* April, 313
Didée projection in recurrent dislocation of shoulder, *1963:* Dec., 1640
Diet, after gastrointestinal surgery, *1964:* June, **659–663**
effect on hepatic metastases in cancer, *1962:* April, 342
of undernourished surgical patient, *1964:* Feb., 147
Diethylether anesthesia, *1963:* June, 645
Digastric triangle of neck, *1964:* Oct., 1152, 1153
Disability evaluation about shoulder, *1963:* Dec., **1721–1726**
Diseases, surgical, applied physiology in, symposium on, *1962:* Feb., **1–265**
Dislocations, metacarpophalangeal, *1964:* Aug., 1000
of shoulder, anterior, prognosis and treatment, *1963:* Dec., **1609–1614**
recurrent, basic lesions of, *1963:* Dec., **1631–1634**
Gallie technique for repair, *1963:* Dec., **1655–1662**
intra-articular fracture in, *1963:* Dec., **1635–1645**
modified Bankart procedure for, *1963:* Dec., **1663–1670**

Dislocations (*Continued*)
of shoulder, anterior, recurrent, modified Magnuson procedure for, indications and technique, *1963:* Dec., **1647–1649**
results following, *1963:* Dec., **1651–1653**
operative treatment, results, *1963:* Dec., **1667–1670**
nerve injuries in, treatment, *1963:* Dec., **1685–1689**
posterior, diagnosis and treatment, *1963:* Dec., **1623–1630**
locked, diagnosis and treatment, *1963:* Dec., **1621–1622**
recurrent, *1963:* Dec., 1627
unreduced, old, treatment, *1963:* Dec., **1671–1678**
with tuberosity fracture, *1963:* Dec., **1615–1620**
Diuresis, osmotic, mannitol to induce, *1963:* June, 583
Diuretics in acute circulatory failure, *1963:* April, 489
Diverticulitis, in Hawaii, *1963:* Oct., 1400
of colon, indications for surgery, *1964:* June, **785–790**
rectal bleeding in, *1962:* Oct., 1272
recurrent or persistent, *1964:* June, 789
resection in, one-stage, indications for, *1962:* Oct., 1268
optimal length of bowel, *1962:* Oct., 1269
surgical treatment, current trends, *1962:* Oct., **1267–1276**
with fistula, *1964:* June, 788
with hemorrhage, *1964:* June, 789
with obstruction, *1964:* June, 788
with perforation, *1964:* June, 786
management, *1962:* Oct., 1273
Diverticulum(a), bladder, vs. bladder neck contracture, *1964:* Dec., 1545
gastric, *1964:* June, 616
pharyngo-esophageal *1963:* Aug., **1165–1169**; *1964:* June, **589–595**
pathogenesis, *1964:* June, 589
Divinyl ether anesthesia, *1963:* June, 646
Dog bites, *1963:* April, 540–544
Drainage, after biliary tract surgery, role of, *1964:* Feb., **281–289**
in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1486
postural, of lung, in surgical care, *1964:* Feb., 222
tubes, in biliary tract surgery, complications of, *1964:* April, 439
Dressings, compression, in hand surgery, *1964:* Feb., 265
in hand surgery, *1964:* Aug., 941
Duck-neck deformity of thumb in rheumatoid arthritis, *1964:* Aug., 1082, 1089
Duct, of Santorini, *1964:* Oct., 1254, 1255
of Wirsung, *1964:* Oct., 1254
Duhamel operation for Hirschsprung's disease, *1964:* Dec., 1500
Dumping syndrome, *1962:* Dec., 1428; *1964:* June, 635
newer concepts, *1963:* Feb., 272
Duodenum, carcinoid, *1964:* June, 673
fistula from, *1962:* Oct., 1318
treatment, *1962:* Oct., 1316
inflammatory lesions, chronic, *1964:* June, 673
leiomyoma, *1964:* June, 676
lesions, diagnosis with fiberscope, *1962:* Oct., 1085
unusual, management, *1964:* June, **665–677**
melanoma, malignant, *1964:* June, 676
polyps, *1964:* June, 670
rupture of, retroperitoneal, due to nonpenetrating trauma, *1963:* April, **413–431**
stump, complications causing mortality in subtotal gastrectomy for ulcer, *1962:* Dec., 1425
leakage from, abscess due to, *1963:* June, 767
after gastrectomy, *1964:* April, 373, 375
rupture of, after gastrectomy, *1964:* April, 373, 375, 380
surgery of, complications after, *1964:* April, **379–386**
in aged, current concepts, *1963:* Feb., **261–275**
surgical exposure, *1964:* June, 665
tuberculosis, *1964:* June, 673, 675
ulcer, choice of operation in, *1964:* June, **653–657**
gastrectomy for, subtotal, *1962:* Dec., **1419–1429**
hemorrhage from, intragastric cooling in, *1962:* Oct., 1175
physiology of gastric secretion as it applies to, *1962:* Feb., **185–201**
surgery of, complications, *1964:* April, **379–386**
Duplications of alimentary tract, *1963:* June, 697
Dupuytren's contracture, limited and extensive operations in, *1964:* Aug., **1071–1080**
Dye(s), contrast visualization with, at operation, *1964:* Feb., 42
dilution techniques, for blood volume determinations, *1963:* Feb., 187
Dysgerminoma of ovary, amenorrhea and, *1962:* June, 745
Dysphagia after total gastrectomy, *1964:* June, 636
Dyspnea, postoperative, *1963:* June, 629

EAR, perichondritis, postoperative, *1964:* April, 307
reconstruction of, an exercise in design, *1963:* Oct., **1271–1276**

Echoencephalography in diagnosis of intracranial lesions, *1964:* Feb., **55–64**
Ectopia, neoplasia, *1962:* April, 296
Edema, *1962:* Feb., 36
arm, postmastectomy, *1964:* April, 320
cerebral, in craniotomy, *1962:* Dec., 1568
laryngeal, postanesthetic, *1964:* April, 501
left lower extremity, unilateral, *1964:* Oct., 1338
of lower extremities, pressure and posture in control of, physiologic principles, *1962:* Feb., **141–149**
pulmonary, in heart surgery, *1964:* April, 342
in lung surgery, *1963:* June, 731
Efferent loop obstruction, *1963:* June, 844
Einhorn string test in upper gastrointestinal hemorrhage, *1962:* Oct., 1094
Electrolyte(s), deficits, correction, preoperative, *1963:* June, 652
treatment in surgery, *1964:* Feb., **125–140**
imbalance, problems in, and their management, *1962:* Feb., **35–54**
in saliva, in renal failure, *1963:* April, 559
losses, through pancreatic fistula, *1962:* Feb., 208
normal, in blood and urine, *1962:* Feb., 39, 40; *1963:* April, 502
requirements, normal, *1964:* Feb., 126
in chemical peritonitis, *1962:* Oct., 1106
in gastrointestinal surgery, *1962:* Oct., 1135
in injured child, *1963:* April, 501, 502, 503
in postoperative intestinal obstruction, *1963:* June, 851
in surgery of children, *1963:* April, 498, June, 686
Electromyography in hand surgery, *1964:* Feb., 268
Embolism, air, in head and neck surgery, *1963:* Aug., 933
postoperative, *1964:* April, 309
arterial, following heart surgery, *1963:* June, 737
postoperative, *1964:* April, 517, 526
sympathetic block for, *1964:* Feb., 87
carotid artery, *1963:* Feb., 287
in heart surgery, *1964:* April, 341, 343
pulmonary, postoperative, *1963:* June, **827–838**; *1964:* April, 516
in abdominoperineal resection, *1964:* April, 453
in appendectomy, *1964:* April, 415
venous, postoperative, *1964:* April, 527
Embryology, approach based on, in surgical management of carcinoma of upper stomach, *1964:* Oct., **1227–1237**
of adrenal glands, *1964:* Oct., 1320
of extrahepatic biliary tract, *1964:* Oct., 1273
Emphysema, advanced, in lung surgery patient, *1964:* April, 332
cervical, secondary to head or neck injury, *1963:* Aug., 922
cutaneous, after lung surgery, *1963:* June, 732
postoperative, *1963:* June, 871
Empyema, postoperative, in lung surgery, *1963:* June, 731; *1964:* April, 329
Endarterectomy, carotid, anesthesia for, *1963:* Aug., 941
technique, *1963:* Aug., 1147
hemorrhage following, *1963:* June, 718
in carotid artery insufficiency, *1964:* Oct., 1186
in limb salvage angioplasty, *1963:* Feb., 299
Endocarditis, bacterial, postoperative, *1964:* April, 510
Endocrine factors in ulcer surgery, *1962:* Feb., 194
Endocrine glands, surgical diseases, clinical investigation, *1962:* June, **579–587**
landmarks in history of, *1962:* June, **569–577**
surgery of, symposium on, *1962:* June, **567–822**
Endocrine interrelations, *1962:* June, 579
Endocrine therapy, of cancer, *1962:* April, 359
of breast, *1962:* April, 499, June, **697–699**, Aug., 857, 864
Endometrial biopsy, in amenorrhea, *1962:* June, 733
in infertility, *1962:* June, 750
Endometriosis, involvement of rectum and lower sigmoid, *1963:* Oct., 1406
Endometrium, carcinoma, cervical stenosis and, *1962:* Aug., 1028
polyps and, *1962:* Aug., 1019
frozen section examination, *1962:* April, 452
clinical aspects, *1962:* Aug., **1013–1023**
Endoscopy, alphaprodine in, *1963:* Oct., 1239
biopsy at, *1962:* April, 440
gastroduodenal with fiberscope, analysis of 500 examinations, *1962:* Oct., **1081–1090**
in gastric diagnosis, *1964:* June, 618
in upper gastrointestinal hemorrhage, *1962:* Oct., 1092
Endotracheal intubation, in head and neck surgery, *1963:* Aug., 934, 935, 941
in postoperative ventilatory failure, *1963:* June, 632
Endoxan, in cancer, *1962:* April, 357
English airway in head and neck surgery, *1963:* Aug., 935, 936
Enteritis, cicatrizing, of duodenum, *1964:* June, 673

Enteritis (*Continued*)
regional, in Hawaii, *1963:* Oct., 1405
pathogenesis, pathology, diagnosis and treatment, *1962:* Oct., **1257–1266**
surgical indications and treatment, *1964:* June, **779–784**
without hypoalbuminemia, *1962:* Oct., 1129
Enterocolitis, postoperative, *1963:* June, 778, 875
pseudomembranous, as cause of mortality in subtotal gastrectomy for ulcer, *1962:* Dec., 1424
postoperative, *1964:* April, 561–563
in abdominal resection, *1964:* April, 454
in colon surgery, *1964:* April, 409
Enteropathy, protein-losing, idiopathic, *1962:* Oct., 1130
Enterostomy, for gastrointestinal decompression, *1964:* Feb., 276
Mikulicz, for meconium ileus, *1963:* June, 694, 695
Enzymes, pancreatic, *1962:* Feb., 203
loss through fistula, *1962:* Feb., 208
serum, in acute abdomen, *1962:* Feb., 261
in carcinoma, *1962:* Feb., 250
of pancreas, *1962:* Feb., 253
of prostate, *1962:* Feb., 252
in hepatobiliary disease, *1962:* Feb., 254
in pancreatic disease, *1962:* Feb., 258
value in diagnosis and management of surgical diseases, *1962:* Feb., **249–266**
Ephedrine as vasopressor, *1964:* Feb., 163, 164
Epididymis, injuries, operative, *1963:* June, 825
Epidural block, continuous, in arm and hand surgery, *1964:* Aug., 923
Epigastric vessels, rupture, *1964:* Oct., 1337
Epinephrine as vasopressor, *1964:* Feb., 161, 162, 163
Epiphysis, humeral, proximal, fractures, *1963:* Dec., **1573–1580**
Epiphysitis of spine, *1963:* April, 360
Episioproctotomy, technique and complications, *1962:* Aug., **947–954**
Epispadias, repair of, evaluation of results, *1963:* Feb., 152, 153
status of perineum in, *1962:* Aug., 888
Esophageal hiatal hernia. See *Hernia, hiatal.*
Esophageal plexus, *1964:* Oct., 1240, 1243
Esophagitis, *1964:* June, 580
peptic, in sliding esophageal hiatal hernia with gastric reflux, *1964:* Oct., 1206, 1207
Esophagocardiomyotomy for esophageal achalasia, *1962:* Dec., 1412
Esophagogastrectomy, complications, *1964:* April, 363–367
Esophagogastrectomy (*Continued*)
in esophageal varices in children, *1964:* Dec., 1427
Esophagogastric junction, anatomy, *1964:* Oct., 1202, 1203, 1206
malignant tumors, *1964:* June, **585–587**
Esophagogastrostomy, *1964:* Oct., 1236
Esophagoscope in diagnosis of surgical disease of upper gastrointestinal tract, *1964:* June, **607–610**
Esophagotracheal fistula, repair of, transpleural vs. retropleural approach, *1964:* Dec., **1433–1439**
Esophagus, achalasia, *1964:* June, 580, 581
diagnosis, *1962:* Dec., 1408
Heller operation for, *1962:* Dec., **1407–1418**
and cardiac end of stomach, carcinoma of, surgical treatment, *1962:* Dec., **1397–1405**
atresia, in newborn, *1962:* Dec., 1387; *1964:* June, 577, 578
postoperative care and feeding, *1962:* Dec., 1393
preoperative planning and preparation, *1962:* Dec., 1388
technical considerations in surgical management, *1962:* Dec., **1387–1395**
benign lesions, recognition and surgical management, *1964:* June, **577–587**
carcinoma, *1964:* June, **585–587**
chemotherapy, *1962:* Oct., 1149
colon transplant in, *1963:* Feb., **3–10**, **11–30**
in children, *1964:* Dec., **1436–1447**; **1449–1457**
postoperative complications, *1964:* April, 349
radiation therapy, *1962:* April, 412
cervical, reconstruction, using colon transplants, *1963:* Feb., **3–10**, Aug., 1177; *1964:* Dec., **1449–1447**
replacement of, *1963:* Aug., **1171–1186**
cysts, *1964:* June, 578, 579
diseases, obstructive sequelae, *1964:* April, 353
thoracotomy for, immediate morbidity after, *1964:* April, **349–370**
diverticula, *1964:* June, 581, 582, **589–595**
hiatal hernia involving, *1962:* Oct., 1182; *1964:* June, **597–605**, Oct., **1211–1216**
hiatus, anatomy, details of interest and controversy, *1964:* Oct., **1211–1216**
muscular anatomy, variations in, *1964:* Oct., 1212
lower, sphincteric mechanism, and reflux, *1964:* Oct., **1201–1209**
perforation, operative visualization with dye, *1964:* Feb., 42
replacement, cervical, *1963:* Aug., **1171–1186**
by colon transplant, *1963:* Feb., **3–10**, Aug., 1177

Esophagus (*Continued*)
replacement, retrosternal, by esophageal substitute in children, *1964:* Dec., **1449–1457**
thoracic, by colon transplant, *1963:* Feb., **11–30**; *1964:* Dec., **1436–1447**
rings, congenital, *1964:* June, 578
short, congenital, *1964:* Oct., 1215
stenosis, right colon transplant in, *1963:* Feb., **11–30**
stricture, *1964:* June, 579, 580
surgical lesions, esophagoscope in diagnosis, *1964:* June, 607
thoracic, reconstruction, using colon transplant, *1963:* Feb., **11–30**; *1964:* Dec., **1436–1447**
trauma to, *1963:* Aug., 922
tumors, benign, *1964:* June, 582
intrathoracic goiter and, differentiation, *1962:* June, 682, 683
malignant, *1964:* June, **585–587**
varices, bleeding, control of hemorrhage, *1962:* Dec., 1504
diagnosis, *1961:* Aug., **833–895**; *1962:* Dec., 1503
emergency portacaval shunt for, *1962:* Dec., 1502
management, *1964:* June, 682
metabolic support of patient, *1962:* Dec., 1505
in children, surgical treatment, *1964:* Dec., **1423–1431**
indications for, *1964:* Dec., 1424
intragastric cooling in, *1962:* Oct., 1175
webs, congenital, *1964:* June, 578
Estrogen therapy in cancer, *1962:* April, 359
of breast, *1962:* April, 500, June, 698, Aug., 864
Ethyl chloride anesthesia, *1963:* June, 647
Ethylene anesthesia, *1963:* June, 645
Evans' formula for fluid loss in burns, modified, for children, *1963:* April, 500, 501
Examination(s), frozen section, what can be expected from, *1962:* April, **443–454**
rectovaginal and abdominal, bimanual, technique, *1964:* June, 842
Exenteration(s), pelvic, reduction of morbidity and mortality in, *1962:* Dec., **1583–1593**
types, *1962:* Dec., 1583, 1584
urinary and fecal diversion, *1962:* Dec., 1586
Exercise after total gastrectomy, *1964:* June, 638
Exophthalmos, pathogenesis, *1962:* June, 643
Exploration, abdominal, in inoperable cancer, complications of, *1964:* April, **483–492**
Exstrophy of bladder, repair of, evaluation of results, *1963:* Feb., **151–161**
Extension, deformities of fingers, in cerebral palsy, treatment, *1964:* Aug., 1065
of fingers, physiology of, *1964:* Aug., **907–918**
Extensor apparatus of fingers, anatomy, *1964:* Aug., **897–906**
Extensor communis, anatomy, *1964:* Aug., 897
role in extension of finger, *1964:* Aug., 914
tendon, insertion on proximal phalanx, *1964:* Aug., **897–906**
Exteriorization in colon injuries, *1963:* April, 460
Extracorporeal circulation, complications of, *1964:* April, 512
fluids and electrolytes following, *1962:* Feb., 49
Extremity(ies). See also *Arm*, *Leg*.
lower, blood supply to, preservation in pelvic exenteration, *1962:* Dec., 1589
edema of, pressure and posture in control of, physiologic principles, *1962:* Feb., **141–149**
venous system, *1964:* Oct., 1369, 1371, 1373, 1374
upper, injuries, arterial, diagnosis and treatment, *1964:* Aug., **1037–1047**
mutilating, treatment, *1964:* Aug., **1107–1113**
plastic surgery in, fundamental principles, *1964:* Aug., **971–976**
kinetics of, *1964:* Oct., 1366
nerve blocks, *1964:* Oct., 1356
nerve injuries, *1964:* Oct., 1358
Eye, complications, in head and neck surgery, *1964:* April, 306
pain, postanesthetic, *1964:* April, 502
Eyelids, wrinkles and redundant tissues, surgical removal, *1963:* Aug., 965

FACE, defects, correction with silicone rubber implants, *1963:* Oct., 1318
guard, football, spinal injuries due to, *1963:* April, 356
paralysis, following head and neck surgery, *1963:* Aug., 924
wrinkles and redundant tissues, surgical removal, *1963:* Aug., **963–972**
Facial nerve, anatomy, surgical, *1964:* Oct., 1146, 1147, 1152
dysfunction following head and neck surgery, *1963:* Aug., 924
in parotid surgery, *1963:* Aug., **973–977**
injury, at operation, *1964:* April, 308
isolation, in parotid surgery, *1964:* Oct., 1148
Facial vein, common, management, in neck dissection, *1964:* Oct., 1156
Factor V deficiency, *1964:* Feb., 189
Fainting, vasopressor drugs in, *1964:* Feb., 165

Fantus test, *1962:* Feb., 38
Fascia(e), contractures, in hand, correction, *1964:* Aug., 1074
of lower limb, *1964:* Oct., 1384
palmar, surgical anatomy, *1964:* Oct., 1351, 1352
superficial, of perineum, anatomy of, in female, *1962:* Aug., 886
in male, *1962:* Aug., 883
Fascial repair of Gallie for recurrent anterior dislocation of shoulder, *1963:* Dec., **1655–1662**
Fascial spaces of hand, infections, *1964:* Aug., 991
Fasciectomy for Dupuytren's contracture, *1964:* Aug., 1072
Fasciotomy, for Dupuytren's contracture, *1964:* Aug., 1071
for snake bite, *1963:* April, 546, 547
for varicose veins, *1964:* Oct., 1394
Fat emulsions, intravenous, *1964:* Feb., 151
Fat, orbital, herniation in lower eyelid, *1963:* Aug., 967
Fats in wound healing, *1962:* Feb., 20
Fecal fistula following appendectomy, *1964:* April, 427
Feces, diversion of, in pelvic exenteration, *1962:* Dec., 1586
Feeding, by gastrostomy tube, *1962:* Oct., 1144
by hypodermoclysis, *1962:* Oct., 1142
by nasogastric tube, *1962:* Oct., 1143
intravenous, *1962:* Oct., 1140; *1964:* Feb., 149
rectal, *1962:* Oct., 1144
tube, *1964:* Feb., 148
Felon of hand, *1964:* Aug., 986
Feminization syndrome, testicular, *1962:* June, 740
Feminizing tumors, *1962:* April, 556
Femoral vein, superficial, thrombectomy and ligation of, *1964:* April, 419, 420
Femoropopliteal system, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1431
Femur, fractures, nonunion, *1963:* April, 344
Fetal deaths from postmaturity, *1962:* Aug., 896, 903
Fever in cancer, *1962:* April, 324
Fiberscope, gastroduodenal endoscopy with, analysis of 500 examinations, *1962:* Oct., **1081–1090**
Fibrillation, auricular, after heart surgery, *1963:* June, 735
after lung surgery, *1963:* June, 731
ventricular, in heart surgery, *1963:* June, 734
Fibrin stabilizing factor deficiency, *1964:* Feb., 190
Fibrinogenopenia, *1964:* Feb., 189
Fibrinolysin, effect on hepatic metastases in cancer, *1962:* April, 346
Fibrinolytic state, *1964:* Feb., 189
Fibroelastosis vs. bladder neck contracture, *1964:* Dec., 1548
Fibroids of uterus, and infertility, *1962:* June, 756
Fibromyomas of uterus. See *Uterus, fibroids.*
Finger(s), amputation, functional evaluation in, *1964:* Aug., 926, 927
incisions for, *1964:* Aug., 1117
levels of, *1964:* Aug., **1115–1126**
ankylosis, functional evaluation in, *1964:* Aug., 929
deformities, in rheumatoid arthritis, *1964:* Aug., 1084, 1089
extension, physiology of, *1964:* Aug., **907–918**
deformities of, in cerebral palsy, treatment, *1964:* Aug., 1065
extensor apparatus, anatomy, *1964:* Aug., **897–906**, Oct., 1361
flexion deformities, in cerebral palsy, treatment, *1964:* Aug., 1064
flexion impairment, evaluation, *1964:* Aug., 934, 935
flexor tendons, *1964:* Oct., 1362
injuries, primary and secondary repair, *1964:* Aug., 959, 961, 964
fractures, *1964:* Aug., 995
incisions, *1964:* Oct., 1350, 1352
index, injuries, index ray amputation in, *1963:* April, **367–370**
mallet, *1964:* Aug., 995
mutilating injuries, treatment, *1964:* Aug., **1107–1113**
paralytic deformities, restoration of function, *1964:* Aug., 1050
printing test in hand surgery, *1964:* Feb., 269
sensory loss, functional evaluation, *1964:* Aug., 930, 931
swan-neck deformity, *1964:* Aug., 1065, 1066
First aid stations of future, *1963:* April, 332
Fistula, anastomotic, in colon surgery, *1964:* April, 401
arteriovenous, following head and neck trauma, *1963:* Aug., 925
postoperative, *1964:* April, 525
with false aneurysm, *1964:* Aug., 1042
biliary, postoperative, *1963:* June, 749; *1964:* April, 434
rubber tube drain in, *1964:* Feb., 287
bronchopleural, as complication of pneumonectomy, *1962:* Dec., 1531, 1534
postoperative, *1964:* April, 327
bronchopulmonary, after lung surgery, *1963:* June, 728
chylous, following neck surgery, *1963:* Aug., 923
of thoracic duct, *1964:* April, 310
fecal, after appendectomy, *1964:* April, 427
after colon surgery, *1963:* June, 781
gastrointestinal, diagnosis, prevention and treatment, *1962:* Oct., **1311–1320**
fluids and electrolytes in, *1962:* Feb., 46

Fistula (*Continued*)
gastrojejunocolic, diagnosis, *1962:* Dec., 1445
operation in one stage for, *1962:* Dec., **1443–1449**
follow-up data, *1962:* Dec., 1447
in diverticulitis of colon, *1964:* June, 788
pancreatic, losses through, *1962:* Feb., 208
postoperative, *1963:* June, 759
parotid, postoperative, *1964:* April, 306
persistent, after hypospadias repair, *1964:* Feb., 1564
sinus of Valsalva, *1964:* Dec., 1461
tracheoesophageal, repair of, technique by retroperitoneal approach, *1964:* Dec., 1436
transpleural vs. retropleural approach, *1964:* Dec., **1433–1439**
right colon transplant in, *1963:* Feb., **11–30**
surgical complications, in children, *1963:* June, 689
with atresia of esophagus, *1962:* Dec., 1387
urinary, after abdominoperineal resection, *1964:* April, 457
as complication of pelvic exenteration, *1962:* Dec., 1591
vesicovaginal, postoperative, *1963:* June, 820
in pelvic surgery, *1963:* June, 793
visualization with dyes, *1964:* Feb., 42
Flexion deformity, of fingers, in cerebral palsy, treatment, *1964:* Aug., 1064
of wrist, in cerebral palsy, treatment, *1964:* Aug., 1063
Flexor tendons of hand, *1964:* Oct., 1362
injuries, primary and secondary repair, *1964:* Aug., **951–970**
Fluids, adminiatration, in intestinal obstruction, *1962:* Oct.,1292
in postoperative intestinal obstruction, *1963:* June, 851
preoperative, *1963:* June, 653
alimentary tract, normal, *1962:* Feb., 39
body, percentage of body weight, by compartments, *1963:* April, 499
deficits, in dehydration due to water loss, calculation, *1963:* June, 655
treatment in surgery, *1964:* Feb., **125–140**
of heart, *1964:* April, 345
extracellular, expansion of, *1964:* Feb., 133
imbalance, problems in, and their management, *1962:* Feb., **35–54**
in acute pancreatitis, *1962:* Dec., 1492
in chemical peritonitis, *1962:* Oct., 1106
maintenance requirements, in child, *1963:* April, 498
metabolism, abnormal patterns, *1964:* Feb., 133
parenteral, for children, *1963:* June, 686
in injured child, *1963:* April, **497–505**
requirements, normal, *1964:* Feb., 126
5-Fluoro-2-deoxyuridine in cancer, *1962:* June, 810, 811
arterial infusion therapy, *1962:* April, 379, June, 816
of colon and rectum, *1962:* Oct., 1162
Fluoroscopy, importance, in diagnosis of gastric lesions, *1964:* June, 620
5-Fluorouracil in cancer, *1962:* April, 358, June, 810, 811
arterial infusion therapy, *1962:* April, 379, June, 816; *1963:* Feb., 32
of breast, *1962:* Aug., 871
of colon and rectum, *1962:* Oct., 1162
by continuous intravenous drip, *1962:* Oct., 1164
x-ray with, *1962:* Oct., 1164
Fluothane. See *Halothane.*
Flushing in islet cell tumors of pancreas, *1962:* April, 313
Foley catheter, cecostomy, value in conjunction with resection of left colon and rectosigmoid, *1962:* Dec., **1475–1479**
for intestinal decompression, *1962:* Feb., 231, 232
Football face guard, spinal injuries and, *1963:* April, 356
Foramen, jugular. See under *Jugular.*
Forceps, endometrial polyps, *1962:* Aug., 1017, 1018
Forearm, fractures, *1964:* Aug., 1007
nonunion and malunion, *1963:* April, 346
pronation deformity, in cerebral palsy, treatment, *1964:* Aug., 1062
Forehead, wrinkles on, surgical removal, *1963:* Aug., 964
Foreign bodies in stomach in children, *1963:* June, 693
Fossa, ischiorectal, anatomy of, *1962:* Aug., 882
Fracture(s), Bennett's, *1964:* Aug., 999
delayed union, causes and diagnosis, *1963:* April, 340, 342
healing of, *1963:* April, 337–340
in trauma of upper extremity, principles of repair, *1964:* Aug., 973
nonunion, *1963:* April, **337–349**
causes and diagnosis, *1963:* April, 340, 343
treatment planning, *1963:* April, 343
of acromion, *1963:* Dec., 1568
of clavicle, complications, *1963:* Dec., 1560
disability evaluation, *1963:* Dec., 1725
treatment, *1963:* Dec., **1555–1563**
of coracoid process, *1963:* Dec., 1568
of femur, nonunion, *1963:* April, 344
of forearm, *1964:* Aug., 1007
and leg, nonunion and malunion, *1963:* April, 346
of glenoid fossa, *1963:* Dec., 1569
of humerus, epiphysis, proximal, types and treatment, *1963:* Dec., **1573–1580**
head, disability evaluation, *1963:* Dec., 1725

Fracture(s) (*Continued*)
of humerus, head, prosthetic replacement in, indications and operative technique, *1963:* Dec., **1581–1597**
nonunion in, *1963:* April, 344
of metacarpal, neck, *1964:* Aug., 999
shaft, *1964:* Aug., 999
of phalanges, *1964:* Aug., 995
of ribs, stress, associated with pregnancy, *1962:* Aug., **909–919**
of scaphoid, complications, *1964:* Aug., 1000
of scapula, diagnosis and treatment, *1963:* Dec., **1565–1571**
disability evaluation, *1963:* Dec., 1725
neck, *1963:* Dec., 1569
of shoulder, disability evaluation, *1963:* Dec., 1725
nerve injuries in, treatment, *1963:* Dec., **1685–1689**
of spine in sports, *1963:* April, 359
Fracture-dislocation, of humeral head, prosthetic replacement in, indications and operative technique, *1963:* Dec., 1583, 1592
of interphalangeal joint, *1964:* Aug., 998
Fraser's technique for hypospadias repair, *1964:* Dec., 1553ff., 1566
Frostbite, etiopathogenesis, *1963:* April, 522
problem of, in civilian medical practice, *1963:* April, **519–536**
treatment, *1963:* April, 528
Frozen-section examination, advantages and disadvantages, *1964:* Feb., 7, 8
in head and neck surgery, *1963:* Aug., **943–950**
in tumors of breast, *1962:* April, 449
indications, techniques and errors, *1962:* April, 443
regional, *1962:* April, 449
what can be expected from, *1962:* April, **443–454**
Frozen shoulder, *1963:* Dec., 1708–1713
treatment by manipulation and corticosteroids, indications, *1963:* Dec., **1715–1720**
Furunculosis of hand, *1964:* Aug., 989

GALLBLADDER, abnormalities, classification, *1964:* Oct., 1275
anatomy, surgical, *1964:* Oct., 1278
carcinoma, with liver metastases, right hepatic lobectomy for, *1963:* Feb., 64
disease of, acute, pain of, *1962:* Feb., 247
drainage of, *1964:* Feb., 284
surgery, complications, *1963:* June, **741–754**
Gallie technique for repair of recurrent anterior dislocation of shoulder, *1963:* Dec., **1655–1662**
Gamma globulin, prophylactic use with multiple transfusions in aged, to reduce risk of serum hepatitis, *1963:* Feb., 271
Gammagram, in clinical appraisal of nodular goiters, *1963:* Aug., 1101
Ganglioneuroblastoma in children, *1964:* Dec., **1469–1481**
Ganglioneuroma in children, *1964:* Dec., **1469–1481**
Gangrene, of intestine, postoperative, *1964:* April, 392
synergistic, after colon surgery, *1964:* April, 400
Gas gangrene, diagnosis and treatment, *1963:* April, **511–517**
surgical treatment, hyperbaric oxygen in, *1964:* Feb., 109, Dec., 1584
Gas insufflation in infertility, *1962:* June, 751
Gases, blood, measurement in postoperative ventilatory failure, *1963:* June, 631
Gastrectomy, Billroth II, prevention of fistulas, *1962:* Oct., 1312
complications, early, *1964:* April, 371
conventional, *1964:* Oct., 1231
disorders after, fiberscope in diagnosis, *1962:* Oct., 1087
for pancreatitis, *1963:* Feb., 203
for peptic ulcer, physiologic principles, *1962:* Feb., 189
intestinal obstruction after, *1963:* June, 844
partial, marginal ulcer following, *1964:* June, **641–652**
plus gastrojejunostomy for duodenal ulcer, *1964:* June, 654
subtotal, diet after, *1964:* June, 660
for duodenal ulcer, *1962:* Dec., **1419–1429**; *1964:* June, 653, 655
marginal ulcer following, *1964:* June, **641–652**
technique, embryologic principles, *1964:* Oct., 1233
total, medical aspects, *1964:* June, **631–639**
postoperative care, *1964:* June, 635
preoperative care, *1964:* June, 631
Gastric. See also *Stomach.*
Gastric retention, following subtotal gastrectomy for ulcer, *1962:* Dec., 1427
Gastric secretion, physiology of, as it applies to peptic ulcer, *1962:* Feb., **185–201**
Gastric stasis, prevention of, in selective gastric vagotomy, *1962:* Dec., 1436
Gastric vagotomy. See *Vagotomy.*
Gastritis, *1964:* June, 612
Gastroduodenal disease of aged, surgery for, current concepts, *1963:* Feb., **261–275**
Gastroduodenal endoscopy with fiberscope, analysis of 500 examinations, *1962:* Oct., **1081–1090**
Gastroduodenostomy, fistula arising from, treatment, *1962:* Oct., 1316
Gastroenteritis, acute, with hypoproteinemia and malabsorption, *1962:* Oct., 1130

Gastroenterostomy, diet after, *1964:* June, 661
for pancreatitis, *1963:* Feb., 204
posterior, plus vagotomy for duodenal ulcer, *1964:* June, 655
Gastroesophageal reflux, physiology, controversy in, *1964:* Oct., 1211
prevention, anatomic aspects, *1964:* Oct., **1201–1209**
Gastroileostomy, postoperative, *1962:* Dec., 1427; *1963:* June, 771
Gastrointestinal allergy, *1962:* Oct., 1115
Gastrointestinal disease, differential diagnosis, gynecologic pathology in, *1964:* June, **841–848**
plasma protein in, abnormal enteric loss, *1962:* Oct., **1125–1133**
Gastrointestinal fistulas, diagnosis, prevention and treatment, *1962:* Oct., **1311–1320**
Gastrointestinal hemorrhage, massive, occult, management of, *1964:* June, **679–683**
upper, diagnostic aids in localizing site, *1962:* Oct., **1091–1099**
endoscopic examination using fiberscope, *1962:* Oct., 1088
intragastric cooling for, *1962:* Oct., **1171–1180**
Gastrointestinal manifestations of diaphragmatic hernia, *1962:* Oct., **1181–1189**
Gastrointestinal tract, decompression procedures, *1964:* Feb., **273–280**
in reconstructive bowel and biliary surgery, *1962:* Feb., **231–239**
malignancies, chemotherapy, *1962:* April, 363
radiation therapy, *1962:* April, 413
surgery of, anesthesia for, *1964:* June, **829–840**
dietary management after, *1964:* June, **659–663**
nutrition in, *1962:* Oct., **1135–1146**
recent advances, symposium on, *1962:* Oct., **1077–1368**
symposium on, *1964:* June, **575–872**
tumors, systemic effects, *1962:* April, 315
Gastrointestinal transplantation, *1962:* Oct., **1191–1217**
Gastrojejunal ulcer, postgastrectomy, *1964:* June, 641
Gastrojejunocolic fistula. See under *Fistula.*
Gastrojejunostomy, fistula arising from, prevention and treatment, *1962:* Oct., 1313, 1316
for peptic ulcer, disadvantages, *1962:* Feb., 190
Gastrostomy, feeding by, in esophageal disease, *1964:* April, 350
for gastric drainage in children, *1963:* June, 687
for gastrointestinal decompression, *1964:* Feb., 275
Gastrostomy (*Continued*)
postoperative, in esophageal atresia, *1962:* Dec., 1393
tube, feeding by, *1962:* Oct., 1144
for gastrointestinal decompression, *1962:* Feb., 231, 232
Globulin, serum, in jaundice, *1964:* Feb., 18, 19
for postoperative decompression, *1963:* Oct., **1243–1252**
Gaucher's disease, splenectomy for, *1963:* Feb., 220
Genes, *1962:* April, 289
Genetics, in cancer, *1962:* April, **289–303**
Genitourinary tract, malignant tumors, chemotherapy, *1962:* April, 362
Gingiva, carcinoma, arterial infusion chemotherapy, *1962:* April, 375
Glenohumeral joint, axillary structures in relation to, *1963:* Dec., 1514
movements and muscles of, *1963:* Dec., 1475
nerve supply, *1963:* Dec., 1480
surgical anatomy, *1963:* Dec., 1479
Glenoid fossa fractures, *1963:* Dec., 1569
Goiter. See also *Thyroid nodule.*
exophthalmic. See *Hyperthyroidism.*
intrathoracic, differential diagnosis, *1962:* June, 680
large, surgical management, *1962:* June, **679–685**
nodular, asymptomatic, diagnostic aspects, *1963:* Aug., **1097–1106**
long-standing, in elderly, obscure hyperthyroidism in, *1962:* June, **667–672**
nontoxic, diagnosis and treatment, physiologic principles, *1962:* Feb., 164
selection for surgical management, *1963:* Aug., 1102
substernal, *1964:* Oct., 1163
Gonads, thyroid and, relation, *1962:* June, 644
Grafts. See also *Prostheses.*
bone, immobilization of mandible for, in edentulous mouth, *1963:* Aug., 991–995
reactions to, *1964:* Aug., 995
compatibility, problem of, *1962:* Feb., 57
procurement and storage, problems of, *1962:* Feb., 63
skin. See *Skin grafting.*
Granulation tissue, after layrngofissure for carcinoma of vocal cords, transoral approach, *1963:* Aug., 1090
Granuloma(s), appendiceal, in Hawaii, *1963:* Oct., 1405
of vocal cords, transoral approach, *1963:* Aug., 1085
Graves' disease. See *Hyperthyroidism.*
Grease-gun injuries of hand, *1963:* Oct., **1277–1282**
surgery of, hemorrhage following, *1963:* June, 717

Groin, hernias, anatomic considerations, *1964:* Oct., **1305–1313**
Gynecography in amenorrhea, *1962:* June, 734
Gynecologic pathology in differential diagnosis of gastrointestinal disease, *1964:* June, **841–848**
Gynecologic surgery, complications, *1963:* June, **789–810**
wound, *1962:* Aug., **1037–1047**
Gynecology, paracervical block in, *1962:* Aug., **927–931**
progress in, symposium on, *1962:* Aug., **833–1062**
Gynecomastia, in bronchogenic carcinoma, *1962:* April, 308

HAGEMAN factor deficiency, *1964:* Feb., 188
Halothane anesthesia, *1963:* June, 647
in children, *1964:* Dec., 1599
Hand, amputations in, bilateral, Krukenberg procedure, *1964:* Aug., 1122
functional evaluation, *1964:* Aug., 926
levels of, *1964:* Aug., 1115–1126
prostheses in, *1964:* Aug., 1123
anatomy, surgical, *1964:* Oct., **1349–1368**
ankylosis in, functional evaluation, *1964:* Aug., 928
bone grafts, instrumentation and methods, *1964:* Aug., 1003
burns of, management, *1964:* Aug., **977–979**
cellulitis and lymphangitis, *1964:* Aug., 987, 988
central nervous control, *1964:* Aug., 1031
claw, restoration of balance and function of, *1964:* Aug., 1054
contractures, correction of, *1964:* Aug., 1074
crowded areas with unyielding boundaries, *1964:* Oct., 1359
Dupuytren's contracture, operative treatment, *1964:* Aug., **1071–1080**
fascial space infections, *1964:* Aug., 991
felon, *1964:* Aug., 986
flexor tendons, *1964:* Oct., 1362
injuries, practical considerations for primary and secondary repair, *1964:* Aug., **951–970**
function of, *1964:* Aug., 1115
role of synergism and antagonism of muscles in, *1964:* Oct., 1363
functional impairment, chart for recording, *1964:* Aug., 933
evaluation of, *1964:* Aug., **925–940**
furunculosis, *1964:* Aug., 989
grease-gun type injuries of, *1963:* Oct., **1277–1282**
infections, management, *1964:* Aug., **977–993**

Hand (*Continued*)
injuries, crushing and avulsing, *1964:* Aug., **1009–1018**
mutilating, treatment, *1964:* Aug., **1107–1113**
plastic surgery in, fundamental principles, *1964:* Aug., **971–976**
primary treatment, *1964:* Aug., 1116
nerves, blocks of, *1964:* Oct., 1356
injuries, *1964:* Oct., 1358
evaluation and management, *1964:* Aug., **1019–1029**
Highet scheme for grading motor and sensory recovery, *1964:* Aug., 1021
primary or secondary sutures in, *1964:* Aug., 1025
neurosurgical disorders affecting, *1964:* Aug., **1031–1036**
neurovascular orientation, *1964:* Oct., 1352
paralyzed, restoration of function of, *1964:* Aug., **1049–1059**
paronychia, *1964:* Aug., 984, 985
peripheral innervation, *1964:* Aug., 1031
position of function, *1964:* Aug., 998
pulp infection, *1964:* Aug., 986
sensory loss, functional evaluation, *1964:* Aug., 930, 931
skeletal reconstruction, *1964:* Aug., **995–1008**
skin cover and degree of motion, *1964:* Oct., 1350
spastic, bracing of, *1964:* Aug., 1067
subcutaneous infection, *1964:* Aug., 986, 987, 988
surgery of, ancillary procedures in, *1964:* Feb., **263–271**
dressings, splints and postoperative care in, *1964:* Aug., **941–949**
in cerebral palsy, *1964:* Aug., **1061–1070**
local anesthetic procedures for, *1964:* Aug., **919–923**
Sterling Bunnell's contribution to, *1964:* Aug., **889–896**
symposium on, *1964:* Aug., **887–1126**
tendon sheath infections, *1964:* Aug., 989
Hartmann's pouch, *1964:* Oct., 1279
Hashimoto's thyroiditis, *1962:* June, **647–653**
diagnostic tests, *1962:* June, 649
Head and neck, carcinoma, *1962:* April, **469–479**
chemotherapy by arterial infusion, *1962:* April, 380
by perfusion techniques, *1962:* April, 397, 474
cysts and tumors of, *1963:* Oct., **1283–1292**
innervation, sensory, *1963:* Aug., 951
surgery, anesthesia for, *1963:* Aug., **929–942**
complications, immediate, *1964:* April, **305–311**

Head and Neck (*Continued*)
surgery, fresh-frozen sections in, *1963:* Aug., **943–950**
symposium on, *1963:* Aug., **915–1186**
traumatic lesions, treatment, *1963:* Aug., **917–927**
illustrative cases, *1963:* Aug., 920
immediate measures, *1963:* Aug., 917
tumors, *1963:* Oct., **1283–1292**
Head, injuries, cerebral angiography in, *1964:* Feb., 66
echoencephalography in, *1964:* Feb., 59
Healing, of fractures, *1963:* April, 337–340
of wounds. See *Wounds, healing of.*
Heart, arrest. See *Cardiac arrest.*
block, in heart surgery, *1963:* June, 735
disease, congenital, hyperbaric oxygenation in, *1964:* Dec., 1589
intracardiac surgery for, *1963:* Feb., **133–145**
unusual anomalies encountered at open heart surgery, *1964:* Dec., **1459–1468**
in surgical patient, fluids in, caution, *1962:* Feb., 49
influence on operative risk in aneurysm of aortic arch, *1962:* Dec., 1552
management, preoperative, *1963:* June, 659
pulmonary hypertension in, preoperative assessment and management, *1963:* Feb., 126, 128, 130
disorders, in lung surgery, *1964:* April, 331
postoperative, *1964:* April, 505
failure, congestive, in cardiac surgery, *1964:* April, 336
postoperative, *1964:* April, 508
injury, due to catheterization, *1964:* April, 511
to massage, *1964:* April, 511
massage, in cardiac arrest, *1963:* June, 711
pumping action, failure of, as cause of hypotension, *1964:* Feb., 157
resuscitation, with monopulse DC current defibrillator, *1964:* Feb., **243–251**
shunts, left to right, *1964:* Dec., 1459
right to left, *1964:* Dec., 1463
surgery of, complications, immediate, *1964:* April, **335–347**
hemorrhage following, *1963:* June, 717
hypothermia in, *1962:* Feb., 71
open, perfusions for, requiring only 5 per cent dextrose in water for pump priming, *1964:* Feb., **253–262**
unusual congenital cardiac anomalies encountered at, *1964:* Dec., **1459–1468**
Heart (*Continued*)
surgery of, postoperative management, *1964:* April, 344, 512
postoperative problems, management of, *1963:* June, 727, **732–738**
pulmonary hypertension and, *1962:* Feb., **131–140**
transplants, experimental, *1963:* Feb., 168
tumor, metastatic, *1964:* April, 511
valvular disease, variations in, *1964:* Dec., 1466
Heller operation, for achalasia of esophagus, modification of, *1962:* Dec., **1407–1418**
Hematemesis, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445, 1446
Hemangioma of small intestine, *1964:* June, 804
Hematologic disease, indications for splenectomy in, *1963:* Feb., 216
Hematoma, cerebral, echoencephalography in, *1964:* Feb., 59, 60
postoperative, *1964:* April, 309
in amputation for ischemia, *1963:* June, 720
in hernia repair, *1963:* June, 720; *1964:* April, 462
in radical mastectomy, *1964:* April, 318
retroperitoneal, management, *1963:* April, 399
Hematometra, malignant disease and, *1962:* Aug., 1029
Hemigastrectomy plus vagotomy for duodenal ulcer, *1962:* Dec., 1436; *1964:* June, 653
Hemodialysis in acute tubular necrosis, *1963:* April, 556
complications, *1963:* April, 565
indications for, *1963:* April, 561
Hemoglobinopathies, splenectomy for, *1963:* Feb., 220
Hemophilia, *1964:* Feb., 188
effect on wound healing, *1962:* Feb., 30
Hemophilioid states, *1964:* Feb., 188
Hemorrhage, acute, in child, fluid and electrolyte deficits, estimating, *1963:* April, 499
arterial, postoperative, *1964:* April, 525
as complication, of pelvic exenteration, *1962:* Dec., 1591
of splenectomy, *1962:* Dec., 1517
cerebral, echoencephalography in, *1964:* Feb., 57, 58, 60
control, in head and neck trauma, *1963:* Aug., 917
disorders of, in surgical patient, detection and correction, *1964:* Feb., **185–194**, April, 519
excessive, management, during or after operation, *1964:* Feb., 191
following subtotal gastrectomy for ulcer, *1962:* Dec., 1425

Hemorrhage (*Continued*)
from esophageal varices, management, *1962:* Dec., 1504; *1964:* June, 682
diagnosis, *1962:* Dec., 1503
emergency portacaval shunt for, *1962:* Dec., 1502
metabolic support of patient, *1962:* Dec., 1505
gastroduodenal, in aged, emergency surgery for, *1963:* Feb., 263
gastrointestinal, massive, occult, management of, *1964:* June, **679–683**
upper, diagnostic aids in localizing site, *1962:* Oct., **1091–1099**
endoscopic examination using fiberscope, *1962:* Oct., 1088
intragastric cooling for, *1962:* Oct., **1171–1180**
in diverticulitis of colon, *1964:* June, 789
in pelvic exenteration, *1962:* Dec., 1588
postoperative, *1963:* June, **715–726**; *1964:* April, 519
due to coagulation defect, *1963:* June, 721
to lack of proper hemostasis, *1963:* June, 720
to wound infection, *1963:* June, 724
from raw surfaces, *1963:* June, 719
in abdominal aortic surgery, *1964:* April, 469, 472
in abdominoperineal resection, *1964:* April, 452
in appendectomy, *1964:* April, 422, 423
in arterial and cardiac surgery, *1963:* June, 715
in biliary tract surgery, *1964:* April, 436
in cardiac surgery, *1963:* June, 732
in colon surgery, *1963:* June, 780
in gallbladder surgery, *1963:* June, 741
in gastric surgery, *1963:* June, 769; *1964:* April, 374
in head and neck surgery, *1964:* April, 309
in lung surgery, *1963:* June, 730; *1964:* April, 330
in pancreatic surgery, *1963:* June, 760
in pelvic surgery, *1963:* June, 800
in radical mastectomy, *1964:* April, 318
rectal, in diverticulitis of colon, *1962:* Oct., 1272
vaginal, in endometrial polyps, *1962:* Aug., 1016
Hemorrhoids, external, anatomy, *1964:* Oct., 1300
sphincter muscles and, changes in relative position, *1964:* Oct., 1302
Hemostasis, disorders of, postoperative, *1964:* Feb., **185–194**; April, 519
inadequate, hemorrhage due to, *1963:* June, 720
mechanism of, *1964:* Feb., 185
Hemothorax, postoperative, in lung surgery, *1964:* April, 330
Henderson-Hasselbach equation, *1962:* Feb., 41
Heparin, effect on hepatic metastases in cancer, *1962:* April, 346
Heparin, superiority of, over prothrombin depressants in thrombophlebitis and its sequelae, *1964:* Feb., **195–209**
Hepatic. See also *Liver.*
Hepatic artery, catheterization, for prolonged infusion chemotherapy of liver cancer, *1964:* June, **763–778**
injuries, operative, *1963:* June, 744
relationship to hepatic ducts, variations, *1964:* Oct., 1278
Hepatic duct, injuries, operative, *1963:* June, 745
relationship of cystic artery to, *1964:* Oct., 1280
of right hepatic artery to, variations, *1964:* Oct., 1278
Hepaticostomy in bile duct stricture, *1964:* June, 719
Hepatitis, serum, complicating transfusions, *1963:* June, 682
prophylactic use of gamma globulin with multiple transfusions to reduce risk of, in aged, *1963:* Feb., 271
viral, jaundice due to, in biliary tract surgery, *1964:* April, 443
Hepatobiliary disease, diagnosis, serum enzymes in, *1962:* Feb., 254
Hermodsson projection in recurrent dislocation of shoulder, *1963:* Dec., 1641
Hernia, Bochdalek, *1962:* Oct., 1187
diaphragmatic, gastrointestinal manifestations, *1962:* Oct., **1181–1189**
surgical complications, in children, *1963:* June, 691
traumatic, *1962:* Oct., 1186
groin, anatomic considerations, *1964:* Oct., **1305–1313**
hiatal, *1962:* Oct., 1182–1186
anatomy of, details of interest and controversy, *1964:* Oct., **1211–1216**
combined, *1964:* Oct., 1215
esophago-aortal, *1964:* Oct., 1215
gastric, *1964:* June, 615
prevention of, in selective gastric vagotomy, *1962:* Dec., 1436
rare types, *1964:* Oct., 1215
sliding, *1964:* Oct., 1213
anatomy of repair, *1964:* Oct., 1208
surgery in, *1964:* June, **597–605**
inguinal, in infancy and childhood, *1963:* Oct., **1393–1396**
Morgagni, *1962:* Oct., 1187
paraesophageal, *1964:* Oct., 1214
Spigelian, *1963:* Oct., **1379–1384**
surgery of, immediate complications, *1964:* April, **461–467**
Herniation, internal, after gastric resection, *1964:* April, 376
Hernioplasty. See *Herniorrhaphy.*
Herniorrhaphy, inguinal, hematoma following, *1963:* June, 720

Herniorrhaphy (*Continued*)
inguinal, in infants, prophylaxis or cure, *1963:* Feb., **147–150**
indirect, primary, results in 2595 operations, *1963:* Oct., **1439–1446**
Herzog ultrasonic aerosol generator, *1964:* Dec., 1615
Heterografts, rejection phenomenon, *1962:* Feb., 57
Hey Groves, Ernest W., *1963:* April, 325
Hiatal hernia. See *Hernia, hiatal.*
Hilum, pulmonary, anatomy, *1964:* Oct., 1192, 1193
Hip, replacement arthroplasty of, *1963:* Oct., **1217–1228**
Hippocrates, *1963:* April, 317, 318
Hirschsprung's disease, colostomy in, *1964:* Dec., 1496
in Hawaii, *1963:* Oct., 1410
rectal biopsy in, *1964:* Dec., 1495
State's operation, *1964:* Dec., 1497
surgical treatment, evaluation, *1964:* Dec., **1495–1508**
Hoarseness, postanesthetic, *1964:* April, 501
Hodgkin's disease, chemotherapy, *1962:* April, 361
radiation therapy, *1962:* April, 416
Homografts, of small bowel, *1962:* Oct., 1199–1206
rejection phenomenon, *1962:* Feb., 57; *1963:* Feb., 164
attempts at modification of, *1963:* Feb., 164
Hormone(s), anabolic, in malnutrition in surgical patient, *1964:* Feb., 152
in cancer, *1962:* April, 359
of breast, *1962:* April, 499
in wound healing, *1962:* Feb., 22
thyroid, *1962:* June, 640
thyroid-stimulating, *1962:* June, 642
treatment with. See *Endocrine therapy.*
Hospitals, cross infection in, prevention, isolation techniques for, *1963:* June, **897–904**
Hour-glass deformity, *1964:* June, 617
Human bites, *1963:* April, 537–539
Host factors influencing development of metastases in cancer, *1962:* April, **335–351**
Humerus, dislocation, downward, prevention of, *1963:* Dec., 1477
fractures of, nonunion, *1963:* April, 344
fractures, disability evaluation, *1963:* Dec., 1725
head-splitting, *1963:* Dec., 1587
fracture-dislocations, *1963:* Dec., 1583, 1592
prosthetic replacement, indications and operative technique, *1963:* Dec., **1581–1597**
proximal epiphysis, fractures, types and treatment, *1963:* Dec., **1573–1580**
Humidification, postoperative, *1964:* April, 549
Hunter, John, *1963:* April, 319, 320
Hydremia, *1962:* Feb., 37
Hydrocephalus, cerebral angiography in, *1964:* Feb., 69
echoencephalography in, *1964:* Feb., 59
Hydrocortisone in calcified deposits in shoulder, *1963:* Dec., 1496
Hydroureteronephrosis vs. bladder neck obstruction, *1964:* Dec., 1547
Hydroxyprogesterone caproate in cancer, *1962:* June, 810, 814
Hygroma, cystic, *1963:* Aug., **1157–1163**
surgical complications, in children, *1963:* June, 688
Hymen, intact, *1962:* June, 736
Hyperadrenocorticism, diagnosis, *1962:* June, 582, 584
Hyperaldosteronism, diagnosis and treatment, *1962:* April, 552
Hyperbaric oxygen. See Oxygen, *hyperbaric.*
Hypercalcemia, in cancer, *1962:* April, 322
of kidney, *1962:* April, 315
of lung, *1962:* April, 309
Hyperheparinoid states, *1964:* Feb., 190
Hyperinsulinism, *1963:* Feb., **79–97**
islet cell tumors of pancreas and, *1962:* June, **709–720**; *1964:* June, 754
operative procedures, *1962:* June, 716
organic, physiologic manifestations, *1962:* June, 709
Hyperkalemia in renal failure, control of, *1963:* April, 560
Hyperparathyroidism, cervical exploration, problems, *1963:* Aug., 1116
diagnosis and treatment, *1962:* Feb., 177
primary, *1962:* June, **633–638**
surgical exploration in equivocal cases, *1963:* Aug., 1115
thymectomy for, *1962:* June, 630
treatment, problems in, *1963:* Aug., **1115–1121**
Hypersplenism, secondary, splenectomy for, *1962:* Dec., 1512
with portal hypertension in children, *1964:* Dec., 1424
Hypertension, essential, operability of, *1962:* Feb., 105
surgical physiology of, *1962:* Feb., 100
portal, diagnosis, in surgical patient, *1964:* Feb., 31
esophageal varices with, in children in, *1964:* Dec., 1423
portacaval shunts for, reduction of operative risks, *1962:* Dec., **1499–1508**
portography in, *1964:* Feb., **45–54**
unusual problems in, *1962:* Oct., **1339–1345**
pulmonary, and cardiovascular surgery, *1962:* Feb., **131–140**; *1964:* April, 341
drug therapy, *1963:* Feb., 127
surgical procedures in presence of, *1963:* Feb., **125–132**
renovascular, *1962:* Feb., **109–130**

Hypertension (*Continued*)
renovascular, diagnostic aids, *1962:* Feb., 112
surgical physiology of, *1962:* Feb., **91–107**
surgical treatment, *1962:* Feb., 118
Hyperthyroidism, diagnosis and treatment, physiologic principles, *1962:* Feb., 157
obscure, in elderly patient with long-standing nodular goiter, *1962:* June, **667–672**
results, *1962:* June, **673–677**
Hypnotics, preoperative, in children, *1964:* Dec., 1597
Hypodermoclysis, feeding by, *1962:* Oct., 1142
Hypogammaglobulinemia, hypoproteinemia and enteric protein loss with, *1962:* Oct., 1131
in cancer, *1962:* April, 322
Hypogastric artery, cannulation of, use of iliolumbar artery in, *1964:* Oct., 1335, 1336
ligation, *1964:* Oct., 1339
Hypoglossal nerve, surgical anatomy, *1964:* Oct., 1156
Hypoglycemia, causes of, *1963:* Feb., 81, 83
clinical evaluation, *1962:* June, 712
diagnosis and differential diagnosis, *1963:* Feb., 80, 81
due to giant mesenchymal tumors, *1963:* Feb., 81
to nonpancreatic endocrine disorders, *1963:* Feb., 82
surreptitious self-administration of insulin, *1963:* Feb., 84
functional, *1963:* Feb., 85
in carcinoma of liver, *1962:* April, 310
in children, *1963:* Feb., 94
in retroperitoneal tumors, *1962:* April, 311
laboratory assessment, *1963:* Feb., 84
prediabetic, *1963:* Feb., 86
Hyponatremia, in bronchogenic carcinoma, *1962:* April, 309
Hypoparathyroidism, diagnosis and treatment, *1962:* Feb., 174
Hypophysectomy, for carcinoma of breast, *1962:* April, **419–433**, 501, June, 699, Aug., 866, 868
comparison with oophorectomy-adrenalectomy, *1962:* April, 419–433
selection of patients, *1962:* June, **701–707**
steroid replacement following, *1962:* Dec., 1571
Hypophysis. See *Pituitary.*
Hypoplasia of thumb, management, *1964:* Aug., 1099
Hypoproteinemia, *1962:* Feb., 50
causes, *1962:* Feb., 51
idiopathic, *1962:* Oct., 1125
Hypoproteinemia (*Continued*)
in gastrointestinal disease, *1962:* Oct., **1125–1133**
treatment, *1962:* Feb., 52
Hypospadias, surgery of, *1964:* Dec., **1551–1570**
age of operation, *1964:* Dec., 1564
complications encountered, *1964:* Dec., 1564
Fraser's technique, *1964:* Dec., 1554–1563, 1566
indications and objectives, *1964:* Dec., 1552
time spent in hospital, *1964:* Dec., 1564
Hypotension, causes of, major, *1964:* Feb., 156–161
drug therapy, *1964:* Feb., 161–165
induced, in craniotomy, *1962:* Dec., 1570
in children, *1964:* Dec., 1605
of acute blood loss, treatment, *1964:* Feb., 168
of anesthesia, treatment, *1964:* Feb., 166
postoperative, *1964:* Feb., 169, April, 497
in esophageal surgery, *1964:* April, 360
postural, in head and neck surgery, *1963:* Aug., 931
reflex, in head and neck surgery, *1963:* Aug., 932
verus shock, *1964:* Feb., 160
Hypothalamus, lesions, androgenism in female due to, *1962:* Aug., 964
thyroid and, relation, *1962:* June, 643
tumors, diagnosis, *1962:* June, 581, 582
Hypothermia, effect on wound healing, *1962:* Feb., 30
for right hepatic lobectomy, *1963:* Feb., 71
gastric, in control of upper gastrointestinal hemorrhage, *1962:* Oct., 1093, **1171–1180**
in craniotomy, *1962:* Dec., 1569
in heart surgery, *1962:* Feb., 71
in heart surgery, postoperative, *1964:* April, 344
in management of peptic ulcer, *1962:* Feb., 186, 187
in neurosurgery, *1962:* Feb., 72
local, in control of bleeding esophageal varices, *1962:* Dec., 1504
physiology and clinical applications, *1962:* Feb., **67–77**
use of, in children, *1964:* Dec., 1606
Hypothrombinemia, *1964:* Feb., 189
in jaundice, *1964:* Feb., 18, 19
Hypothyroidism, diagnosis and treatment, physiologic principles, *1962:* Feb., 161
following thyroidectomy, *1962:* June, 674, 676
Hypoventilation, postoperative, *1964:* Feb., 229, April, 537
plus atelectasis and/or pneumonia, *1964:* Feb., 231

Hypovolemia as cause of hypotension, *1964:* Feb., 156, April, 497
assessment and treatment, in shock, *1963:* June, 600
correction, preoperative, *1963:* June, 656
Hysterectomy, abdominal, in obese patient, *1962:* Aug., **941–946**
appraisal, in obstetrical practice, *1962:* Aug., 933
indications for, *1962:* Aug., 934
radical, for carcinoma of cervix, *1962:* April, 534
subtotal, cervical stenosis following, *1962:* Aug., 1028
ureteral complications, *1963:* June, 795, 799

ICTERUS. See *Jaundice.*
Ileal loop for urinary diversion, *1964:* June, 853, 854
Ileal "sleeve" for urinary diversion, *1964:* June, 856
Ileocystoplasty, *1964:* June, 853
Ileocystostomy, *1964:* June, 853, 854
Ileojejunitis with hypoproteinemia and malabsorption, *1962:* Oct., 1129
Ileopexy, subcutaneous, thoracic, for esophageal varices in children, *1964:* Dec., 1426
Ileorectal anastomosis in ulcerative colitis in children, *1964:* Dec., 1528
Ileostomy, complications, *1963:* June, 781; *1964:* April, 403
diet after, *1964:* June, 661
in ulcerative colitis, *1964:* June, 817, 818, 819
permanent, with pancoloproctectomy in ulcerative colitis in children, *1964:* Dec., 1527, 1530
Ileum, lower, fistula from, treatment, *1962:* Oct., 1317
Ileus, adynamic (paralytic) after abdominoperineal resection, *1964:* April, 454
after appendectomy, *1964:* April, 426
after colon surgery, *1963:* June, 779; *1964:* April, 408
after pelvic exenteration, *1962:* Dec., 1590
after surgery of small intestine, *1964:* April, 388
pathogenesis, diagnosis and treatment, *1962:* Oct., 1294
postoperative, *1963:* June, 840
mechanical, after colon surgery, *1963:* June, 780
postoperative, *1963:* June, 842
meconium, *1963:* June, 694; *1964:* Dec., **1483–1493**
differential diagnosis, *1964:* Dec., 1486
management and treatment, *1964:* Dec., 1490
postoperative, *1964:* April, 390
Iliac artery, arteriosclerosis, *1964:* Oct., 1341
ligation, *1964:* Oct., 1339
right, obstruction, causing extremity edema, *1964:* Oct., 1338
Iliolumbar artery, surgical anatomy, *1964:* Oct., 1335
Iliopubic tract, anatomy, in relation to groin hernias, *1964:* Oct., **1305–1313**
Immune response in cancer, *1962:* April, 322
Immunologic considerations, in ulcerative colitis, *1962:* Oct., **1115–1123**
Implant materials, subcutaneous, newer, experiences with, *1963:* Oct., **1313–1321**
Incision(s), abdominal, in gynecologic surgery, *1962:* Aug., 1037
choice of, effect on wound healing, *1962:* Feb., 30
for elective finger amputations, *1964:* Aug., 1117
for exposure of deformities in Dupuytren's contracture, *1964:* Aug., 1073
for radical neck dissection for cancer, *1962:* Dec., 1599, 1609
for retroperitoneal exploration, *1963:* April, **389**
in surgery of abdominal aorta, *1962:* Dec., 1559
quadrant-reflecting, in surgical procedures of the upper abdomen, *1963:* Oct., **1373–1377**
Szilagyi, *1963:* Feb., 301
Incontinence, urinary, physiology of, newer thoughts on, *1962:* Aug., 889
Incubators, advances in design, etc., *1964:* Dec., 1618
Index ray amputation, *1963:* April, **367–370**
Infant(s), inguinal hernias in, *1963:* Oct., **1393–1396**
inguinal herniorrhaphy in, prophylaxis or cure, *1963:* Feb., **147–150**
inhalation therapy in, recent advances, *1964:* Dec., 1611–1623
intermittent positive pressure respiration in, *1964:* Dec., 1618
intussusception in, etiology, *1964:* Dec., **1509–1520**
newborn, Hirschsprung's disease in, surgical treatment, *1964:* Dec., **1495–1508**
inspissated meconium with intestinal obstruction in, *1964:* Dec., **1483–1493**
postmature, *1962:* Aug., **895–907**
diagnosis, *1962:* Aug., 904
method of delivery, *1962:* Aug., 901
placental pathology and, *1962:* Aug., 897
weights of, *1962:* Aug., 900
premature, esophageal atresia in, *1962:* Dec., 1394
surgery of, hyperbaric oxygen in, *1964:* Dec., **1583–1594**

Infant(s) (*Continued*)
surgery of, in congenital heart disease, hyberbaric oxygenation, in *1964:* Dec., 1589
surgical complications in, *1963:* June, **685–702**
Infarction, pulmonary, postoperative, *1964:* April, 516
Infections, anaerobic, treatment with hyperbaric oxygen, *1964:* Feb., **107–112**
as complication of splenectomy, *1962:* Dec., 1518
hospital, isolation technique for prevention, *1963:* June, **897–904**
in burns, *1962:* Feb., 83
in radical neck dissection, prevention, *1962:* Dec., **1595–1603**
intraperitoneal, following subtotal gastrectomy for ulcer, *1962:* Dec., 1426
orocervical, following radical neck dissection, management of, *1962:* Dec., 1600
of hand, management, *1964:* Aug., **977–993**
postoperative, *1963:* June, **859–882**; *1964:* April, 553–564
antimicrobial drugs in (table), *1964:* April, 556, 557
in abdominal aortic surgery, *1964:* April, 478
in colon surgery, *1964:* April, 397
in lung surgery, *1964:* April, 329
in radical mastectomy, *1964:* April, 313
preoperative, in esophageal disease, *1964:* April, 353
wound. See *Wound, infection.*
Infertility, diagnosis, *1962:* June, 750
due to cervical stenosis, *1962:* Aug., 1027
endometrial polyps and, *1962:* Aug., 1018
incompetent cervical os and, *1962:* June, 754
role of gynecologic surgeon in, *1962:* June, **749–763**
treatment, *1962:* June, 754, 755, 757, 761
Inguinal herniorrhaphy. See under *Herniorrhaphy.*
Inguinal tract, anatomy, *1964:* Oct., 1308
Inguinal wall, posterior, anatomic reappraisal, *1964:* Oct., **1305–1313**
Inhalation therapy, pediatric, incubators, *1964:* Dec., 1618
intermittent positive pressure respiration (IPPR), *1964:* Dec., 1618
nebulization methods and equipment, *1964:* Dec., 1615, 1616
recent advances, *1964:* Dec., **1611–1623**
sterilization of equipment, *1964:* Dec., 1617
Injury(ies). See also *Trauma.*
in children, parenteral fluid therapy in, *1963:* April, **497–505**
Injury(ies) (*Continued*)
nonpenetrating, retroperitoneal rupture of duodenum due to, *1963:* April, **413–431**
of organs. See under names of organs.
surgical physiology of, *1962:* Feb., **79–90**
Insulin, self-administration, surreptitious, *1963:* Feb., 84
Insulin-secreting tumors of pancreas, surgical treatment, progress in, *1963:* Feb., **79–97**
Interossei, anatomy, *1964:* Aug., 903
role in extension of fingers, *1964:* Aug., 915
Interosseous hood, *1964:* Aug., 900
Interphalangeal joint, fracture-dislocation, *1964:* Aug., 998
Intersex, *1963:* June, 701
Intervertebral disk, lesions, cervical, as cause of painful shoulder, *1963:* Oct., 1302, Dec., 1704
vascular injury at removal, *1964:* Oct., 1339
Intestinal angina, *1962:* Oct., **1321–1328**
Intestinal antisepsis in colonic surgery, *1962:* Oct., **1277–1284**
Intestines, decompression, in bowel and biliary surgery, *1962:* Feb., **231–239**
methods, *1964:* Feb., 276
inflammatory disease, hypoproteinemia in, *1962:* Oct., 1128
ischemia, following abdominal aortic surgery, *1964:* April, 477
large, carcinoma of, relation of polyps to, *1962:* Dec., 1451
polyps and polypoid lesions, surgical considerations, *1962:* Dec., **1451–1465**
surgery of, immediate complications, *1964:* April, **397–410**
urologic uses, *1964:* June, **849–858**
villous adenoma, as special problem, *1962:* Dec., 1457
in Hawaii, *1963:* Oct., 1412
obstruction, after hernia repair, *1964:* April, 464
after pelvic exenteration, *1962:* Dec., 1590
after surgery of small intestine, *1964:* April, 388
by inspissated meconium in newborn, *1964:* Dec., **1483–1493**
fluids and electrolytes in, *1962:* Feb., 47
in children, *1963:* June, 694
pain of, *1962:* Feb., 247
pathophysiology and management, *1962:* Oct., **1281–1309**
perforation of alimentary tract due to, prevention of peritonitis, *1962:* Dec., 1483
postoperative, *1963:* June, **839–858**
replacement of fluid losses, *1962:* Oct., 1292
strangulation type, *1962:* Oct., 1298
physiology of, *1962:* Feb., **219–229**

Intestines (*Continued*)
small, as material for reconstruction of cervical esophagus, *1963:* Aug., 1176
fistula from, *1962:* Oct., 1318
treatment, *1962:* Oct., 1317
resection, diet after, *1964:* June, 663
surgery of, immediate complications, *1964:* April, **387–395**
transplantation of, *1962:* Oct., 1192–1206
tumors of, *1964:* June, **791–809**
urologic uses, *1964:* June, **849–858**
Intracranial lesions, diagnosis by angiography, *1964:* Feb., **65–73**
by ultrasound, *1964:* Feb., **55–64**
Intravenous feeding, *1962:* Oct., 1140; *1964:* Feb., 149
Intravesical pressure, measuring, in bladder neck contracture, *1964:* Dec., 1541, 1542–1544
Intubation, endotracheal, in head and neck surgery, *1963:* Aug., 934, 935, 941
gastric, for decompression, *1964:* Feb., 274
in children, *1963:* June, 687
intestinal, for decompression, *1964:* Feb., 276
nasal, blind, alphaprodine in, *1963:* Oct., 1240
nasogastric, complications, *1963:* Oct., 1244
Intussusception, etiology, *1964:* Dec., **1509–1520**
adenovirus infections in, *1964:* Dec., 1513
jejunogastric, retrograde, *1963:* June, 845
postoperative, *1964:* April, 391
Iodide, butanol-extractable, in test of thyroid function, *1962:* June, 645
inhibition test, for Hashimoto's thyroiditis, *1962:* June, 650
Iodine, metabolism, *1962:* June, 639
protein-bound, as test of thyroid function, *1962:* Feb., 153
radioactive, in surgery, *1964:* Feb., 76, 77
in test of thyroid function, *1962:* Feb., 155, June, 644
in treatment, of thyroid cancer, *1962:* April, 489
of thyrotoxicosis, *1962:* Feb., 160
uses, in thyrotoxicosis, *1962:* Feb., 158
Irradiation. See *Radiation therapy* and *Roentgen treatment.*
Ischemia, amputation for, hematoma following, *1963:* June, 720
intestinal, after abdominal aortic surgery, *1964:* April, 477
microcirculatory, low viscous dextran in, *1963:* June, 591, 592
neurologic, after abdominal aortic surgery, *1964:* April, 478
transient attacks, in carotid insufficiency, *1964:* Oct., 1180
Ischemic cerebrovascular disease, categories of, *1963:* Aug., 1146
Ischemic paralysis, Volkmann's, *1964:* Aug., 1043
Ischial decubitis ulcers, surgical treatment, *1963:* Feb., 254, 258
Ischiorectal fossa, anatomy, *1962:* Aug., 882
Islet cell adenomas and hyperinsulinism, *1964:* June, 754
Islet cell carcinoma, ulcerogenic, *1963:* Oct., **1343–1348**
Isolation technique for prevention of cross infection in hospitals, *1963:* June, **897–904**
Isoproterenol as vasopressor, *1964:* Feb., 164
Isotopes, radioactive. See *Radioisotopes.*

JAUNDICE, cholestatic, differential diagnosis, *1964:* June, 699
classification, *1964:* June, 691, 692
diagnosis, differential, *1964:* Feb., 16–21
hepatic tests in, summary of expected alterations, *1964:* Feb., 18
obstructive, following subtotal gastrectomy for ulcer, *1962:* Dec., 1427
pathophysiology, *1964:* June, 687
postoperative, *1964:* June, 703
in biliary tract surgery, *1964:* April, 440
in gastric surgery, *1963:* June, 767; *1964:* April, 377
serum, homologous, from transfusions, *1963:* June, 682
surgery in, indications for, *1964:* June, **685–705**
tests, biochemical, *1964:* June, 694–699
types, diagnosis of, *1964:* June, 691
Jaw resection, prosthodontic rehabilitation after, *1963:* Aug., **997–1001**
Jaw-neck operation, full, in carcinoma of mouth and tongue, *1962:* Dec., 1613
Jejunal ulcer, postgastrectomy, *1964:* June, 641
Jejunogastric intussusception, retrograde, *1963:* June, 845
Jejunostomy, feeding by, *1962:* Oct., 1144
in esophageal disease, *1964:* April, 350
Jejunum, ulcer, *1963:* June, 771
Joint(s), changes in bronchogenic carcinoma, *1962:* April, 307, 319
contractures, in hand, correction, *1964:* Aug., 1076
Jones' operation for double uterus, *1962:* June, 755, 756
Jugular foramen syndrome, diagnostic principles, *1963:* Aug., **1129–1133**

KANAMYCIN for intestinal antisepsis, *1962:* Oct., 1281

Kidney, biopsy, needle, complications of, *1963:* June, 814
carcinoma, chemotherapy, *1962:* April, 362
radiation therapy, *1962:* April, 415
systemic effects, *1962:* April, 314
complications, in heart surgery, *1964:* April, 342
diseases, hypertension in, surgical physiology, *1962:* Feb., 92, 95
management, preoperative, *1963:* June, 660
failure, acute, peritoneal dialysis in, *1963:* June, **883–896**
oliguric, management, *1963:* April, **555–568**
postoperative, in abdominal aortic surgery, *1964:* April, 474
in esophageal surgery, *1964:* April, 367
function, differential studies, in renal hypertension, *1962:* Feb., 115
normal, normal and abnormal dynamics with, *1962:* Feb., 36
impairment, abnormal dynamics in presence of, *1962:* Feb., 43
injury to, at operation, *1963:* June, 814
resection. See *Nephrectomy.*
revascularization, for renal hypertension, *1962:* Feb., 121
ruptured, *1963:* June, 813
surgery of, complications, *1963:* June, 812
transplantation, *1963:* Feb., 169
pelvic placement, *1964:* Oct., 1342–1344
tubular necrosis, acute, management, *1963:* April, **555–568**
mannitol in prevention, *1963:* June, 584
vascular disease of, diagnosis in surgical patient, *1964:* Feb., 31
hypertension in, *1962:* Feb., **109–130**
Killian-Lynch suspension apparatus, for direct peroral intralaryngeal instrumentation, *1963:* Aug., 938
in vocal-cord surgery, *1963:* Aug., 1081, 1082
Kit, for repair of vascular injuries, *1963:* April, 374
snake bite, *1963:* April, 545
Knowles pin for old unreduced anterior dislocation of shoulder, *1963:* Dec., 1677
Kocher maneuver, *1964:* June, 666, Oct., 1258
Krukenberg procedure in bilateral hand amputations, *1964:* Aug., 1122

LABIA majora, *1962:* Aug., 885
minora, *1962:* Aug., 886
Labor, episioproctotomy at, *1962:* Aug., **947–954**
Labor (*Continued*)
induction, in postmaturity, *1962:* Aug., 905
paracervical block for, *1962:* Aug., **927–931**
Laboratory tests in surgery, use and abuse, *1964:* Feb., **3–11**
Lane, Sir Arbuthnot, *1963:* April, 321, 323
Laparotomy, "blind," in gastrointestinal hemorrhage, *1964:* June, 682
exploratory, in inoperable cancer in abdomen, complications of, *1964:* April, **483–492**
in diagnosis of jaundice, *1964:* June, 703
Laryngeal nerves, anatomy, *1964:* Oct., 1167, 1168
injury at operation, after-effects, *1964:* Oct., 1169
Laryngectomy, anatomy and technique, *1963:* Aug., **1063–1079**
anesthetic techniques, *1963:* Aug., 940
indications for, *1963:* Aug., 1064
postoperative care, *1963:* Aug., 1078
results of treatment, *1963:* Aug., 1078
Laryngohypopharynx, carcinoma, radiation therapy, *1962:* April, 411
Laryngoscopy, suspension, in vocal-cord surgery, *1963:* Aug., 1081
Larynx, anatomy, *1963:* Aug., 1065
biopsy, transoral, *1963:* Aug., 1083
edema postanesthetic, *1964:* April, 501
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 948
papillomas, benign, malignant transformation in children after radiation therapy, *1963:* Aug., **1049–1061**
surgery of, anesthesia for, *1963:* Aug., 938
trauma to, *1963:* Aug., 920, 921
during intubation, *1963:* Aug., 925
Lash operation for incompetent cervical os, *1962:* June, 754, 755
Lavage, peritoneal, in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1485
Leakage, anastomotic, in gastric surgery, *1964:* April, 375
in surgery of small intestine, *1964:* April, 392
intrathoracic, after esophagogastrectomy, *1964:* April, 362
Lecithinase A in pancreatic disease, *1962:* Feb., 260
LeFort operation for uterine prolapse, modification of, *1962:* Aug., 1034
Leg. See also *Extremities, lower.*
fractures, nonunion and malunion, *1963:* April, 346
ulcers, *1963:* Oct., **1307–1311**
ischemic, *1963:* Oct., **1263–1270**, 1311
Leiomyoma, duodenal, *1964:* June, 676
gastrointestinal, in Hawaii, *1963:* Oct., 1411
Leiomyosarcoma, gastrointestinal, in Hawaii, *1963:* Oct., 1411

Leukemia, chemotherapy, *1962:* April, 361
Leukeran in cancer, *1962:* April, 356
Leukopenia, splenectomy for, *1963:* Feb., 222
Leukoplakia, of vocal cords, transoral approach, *1963:* Aug., 1087
Levalorphan, as narcotic antagonist in surgical anesthesia, *1963:* Oct., 1230, 1231
in ophthalmic surgery, *1963:* Oct., 1235
Levator ani, anatomy, *1962:* Aug., 879
Levator glandulae thyroideae, *1964:* Oct., 1161
Levorphanol (Levo-Dromoran) as narcotic antagonist in surgical anesthesia, *1963:* Oct., 1230, 1231
Lidocaine in hand surgery, *1964:* Aug., 919
Ligament, Cleland's, *1964:* Aug., 905, 916
retinacular, anatomy, *1964:* Aug., 904
Ligation, intrapericardial, of pulmonary vessels, *1964:* Oct., 1199
of hypogastric arteries, *1964:* Oct., 1339
of inferior vena cava, preventive, *1964:* April, 416, 417, 418
of superficial femoral vein, *1964:* April, 419, 420
Limb salvage angioplasty in arteriosclerotic occlusive disease, *1963:* Feb., **295–309**
Limb-girdle—trunk complex, *1963:* Dec., 1471
Lingual thyroid, *1964:* Oct., 1170
Lip, carcinoma, radiation therapy, *1962:* April, 411
Lipase, serum, in pancreatic disease, *1962:* Feb., 260
Lipoma, of colon, in Hawaii, *1963:* Oct., 1410
of duodenum, *1964:* June, 675, 676
Lipomul for intravenous feeding, *1962:* Oct., 1441; *1964:* Feb., 151
Liver, anatomy, gross, intrahepatic, *1964:* Oct., 1265
surgical, *1962:* April, 512; *1964:* Oct., **1263–1271**
biopsy of, *1962:* April, 441; *1963:* Oct., **1415–1417**
in jaundice, *1964:* June, 699, 702
carcinoma, chemotherapy, by prolonged infusion, hepatic artery catheterization for, *1964:* June, **763–778**
by single dosage intra-arterial infusion, *1962:* Oct., 1155
perfusion techniques, *1962:* Oct., 1158
incurable, palliative resection for, *1962:* April, 510
metastatic, host factors in development, *1962:* April, 337–348
solitary, lobectomy for, *1962:* April, 509
primary, lobectomy for, *1962:* April, 511
right hepatic lobectomy for, *1963:* Feb., **63–77**
Liver (*Continued*)
carcinoma, systemic effects, *1962:* April, 310
cirrhosis, portacaval shunts in, reduction of operative risks, *1962:* Dec., **1499–1508**
damage, jaundice due to, after biliary tract surgery, *1964:* April, 443
disease, in ulcerative colitis, *1964:* June, 817
effects of distant cancer on, *1962:* April, 323
embryology, *1964:* Oct., 1260
function, tests of, as aids in evaluation of surgical patient, *1964:* Feb., **13–23**
in differential diagnosis of jaundice, *1964:* Feb., 16–21
in hepatic insufficiency, *1964:* Feb., 21
injuries, *1963:* April, **433–443**
lesions, androgenism in female due to, *1962:* Aug., 964
resection, for benign and malignant lesions, *1962:* April, **507–518**
of massive metastases in malignant carcinoid syndrome, *1963:* Oct., **1253–1262**
right, technique, *1964:* Oct., 1267
subtotal, *1962:* Oct., **1347–1351**
right lobe, resection of, technical problems and patient management, *1963:* Feb., **63–77**
"soil," and hepatic metastases in cancer, *1962:* April, 338
transplants, experimental, *1963:* Feb., 168
trauma, extensive, lobectomy for, *1962:* April, 508
Lobectomy, for carcinoma of lung, *1963:* Feb., 112, 114, 117, 118
hepatic for benign and malignant lesions, *1962:* April, **507–518**
right, technical problems and patient management, *1963:* Feb., **63–77**; *1964:* Oct., 1267
technique, *1962:* April, 513
Long bones. See *Femur; Tibia*, etc.
Longmire operation for common duct stricture, *1962:* Oct., 1335
Lorfan. See *Levallorphan.*
Ludwig's angina, associated with trauma to floor of mouth, *1963:* Aug., 926
Lumbar abscess after appendectomy, *1964:* April, 424
Lumbrical muscles, anatomy, *1964:* Aug., 904
role in extension of fingers, *1964:* Aug., 915, Oct., 1363
Lung(s), abscess, after appendectomy, *1964:* April, 413
anatomy, surgical, *1964:* Oct., **1191–1200**
atelectasis of left lower lobe, as complication of splenectomy, *1962:* Dec., 1518

Lung(s) (*Continued*)
blood supply, *1964:* Oct., 1195, 1197, 1198
intrapericardial relationships, *1964:* Oct., 1199, 1200
carcinoma, *1963:* Feb., **109–123**
chemotherapy, *1962:* April, 362; *1963:* Feb., 120
diagnosis, *1963:* Feb., 109
radiation therapy, *1962:* April, 412
surgical treatment, *1963:* Feb., 112
adjuvant therapy, *1963:* Feb., 118
systemic effects, *1962:* April, 307
x-ray therapy, pre- and postoperative, *1963:* Feb., 119
compliance, conservation of, at operation, *1964:* April, 540
complications, in cardiac surgery, *1964:* April, 341
diseases, management, preoperative, *1963:* June, 660
thoracotomy for, immediate complications, *1964:* April, **325–333**
drainage of, postural, *1964:* Feb., 222
edema, in heart surgery, *1964:* April, 342
function, testing preoperative, *1963:* June, 625; *1964:* April, 539
infections, postoperative, *1963:* June, 871–874
lymphatic drainage, *1963:* Feb., 115
peripheral, removal of straight pin from, simplified transpleural technique, *1963:* Oct., **1419–1424**
physiotherapy, as adjunct to surgical care, *1964:* Feb., **219–226**
re-expansion, postoperative, *1964:* April, 549
resection. See *Pneumonectomy.*
segments, *1964:* Oct., 1192, 1194
surgery of, postoperative problems, management, *1963:* June, **727–732**; *1964:* April, 325–333
transplants, experimental, *1963:* Feb., 168
Luxation. See *Dislocation.*
Lymph glands, primary tumors of, *1963:* Oct., 1286
Lymph nodes, cervical, fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 946
lateral, removal for thyroidal carcinoma, *1963:* Aug., 1110
dissection of, prophylactic, in malignant disease, *1963:* Feb., **49–61**
frozen section examinations, *1962:* April, 450
mammary, in cancer, extended procedures for, *1962:* April, 497
paratracheal, removal for thyroidal carcinoma, *1963:* Aug., 1109
scalene, biopsy, in carcinoma of lung, *1963:* Feb., 110
Lymphangitis of hand, *1964:* Aug., 987
Lymphatics of breast, anatomy, *1962:* Aug., 842
Lymphedema, postoperative, *1964:* April, 529
in neck surgery, *1964:* April, 309
Lymphoma, of small intestine, *1964:* June, 796
parapharyngeal, malignant, *1963:* Aug., 1044
radiation therapy, *1962:* April, 416
Lymphorrhea, postoperative, *1964:* April, 528
Lymphosarcoma, chemotherapy, *1962:* April, 361

MAGNUSON procedure, modified, for recurrent anterior dislocation of shoulder, indications and technique, *1963:* Dec., 1647–1649
results following, *1963:* Dec., **1651–1653**
Mallet finger, *1964:* Aug., 995
Malnutrition, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
correction, in surgical patients, *1963:* June, 657; *1964:* Feb., **141–154**
Mammary tumor agent in mice, *1962:* April, 275
Mammography, surgical appraisal of, *1963:* Oct., **1331–1336**
Mammoplasty, augmentation, with silicone rubber implants, *1963:* Oct., 1315
Mandible, deformities of, nomenclature, *1963:* Aug., 980
surgical correction, *1963:* Aug., **979–990**
immobilization for bone grafting in completely edentulous mouth, *1963:* Aug., **991–995**
Manipulations, in frozen shoulder, indications, *1963:* Dec., **1715–1720**
Mannitol, *1963:* June, 577, **583–588**
dosage, *1963:* June, 586
hypernatremia due to, *1963:* June, 587
in prevention of acute tubular necrosis, *1963:* June, 584
renal and other effects, *1963:* June, 584
vs. urea, *1963:* June, 587
Mannitol mustard in cancer, *1962:* April, 356
Masculinization syndromes in female, diagnostic approach, *1962:* Aug., **961–974**
Mason-Allen splint, *1964:* Feb., 266
Mass casualties, threat of, *1963:* April, 330
Massage of heart, heart injury due to, *1964:* April, 511
in cardiac arrest, *1963:* June, 711
Masseteric hypertrophy, benign, *1963:* Oct., **1357–1361**
Mastectomy, radical, *1962:* April, 494
choice of operation, *1962:* Aug., 844
complications of, postoperative, *1964:* April, **313–323**

Mastectomy (*Continued*)
contraindications, *1962:* Aug., 840
dissection of internal mammary lymph nodes in, *1962:* Aug., 845, 846
end results, *1962:* Dec., **1467–1474**
five-year survival rate, *1962:* Aug., 840
oophorectomy with, *1962:* April, 497
postoperative radiation following, *1962:* April, 496
thio-TEPA with, *1962:* April, 498
simple, x-ray therapy with, *1962:* Aug., 846
Maylard incision, *1962:* Aug., 1038
McWhirter technique in carcinoma of breast, *1962:* Aug., 846, 855, 858
Meconium ileus, *1963:* June, 694; *1964:* Dec., **1483–1493**
differential diagnosis, *1964:* Dec., 1486
management and treatment, *1964:* Dec., 1490
postoperatve, *1964:* April, 390
Median nerve, injury, *1964:* Oct., 1358, 1359
Mediastinum, dissection for nodal metastasis from papillary lesions of thyroid, *1963:* Aug., 1112
position of, following pneumonectomy, *1962:* Dec., 1532
tumors, intrathoracic goiter and, differentiation, *1962:* June, 680, 682, 683
Medical Schools of San Francisco, history of, *1962:* Aug., **833–837**
Medication, preoperative, in children, *1964:* Dec., 1595
Mediterranean anemia, splenectomy for, *1963:* Feb., 220
Megacolon, congenital, surgical treatment, evaluation, *1964:* Dec., **1495–1508**
Melanoma, malignant, chemotherapy, by arterial infusion, *1963:* Feb., 32
by perfusion technique, postsurgery, *1963:* Feb., 46
by regional perfusion, *1962:* April, 464
systemic, *1962:* April, 463
diagnosis and current treatment, *1962:* April, **455–467**
lymph node dissection in, prophylactic, *1963:* Feb., **49–61**
of duodenum, *1964:* June, 676
radiation therapy, *1962:* April, 463
surgical excision, *1962:* April, 457
Melena, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
Menstrual disorders in cervical stenosis, *1962:* Aug., 1027
Mephentermine as vasopressor, *1964:* Feb., 162, 163, 164
Mepivicaine in hand surgery, *1964:* Aug., 919
6-Mercaptopurine in cancer, *1962:* April, 358
Merphyrin in carcinoma of stomach, *1962:* Oct., 1150
Mesenchymoma of ovary, amenorrhea and, *1962:* June, 744
Mesenteric caval shunt in esophageal varices in children, *1964:* Dec., 1425
Mesogastrium, primitive, relation of spleen and pancreas to, surgical significance, *1964:* Oct., 1229, 1230
Metabolic rate, basal, as test of thyroid function, *1962:* Feb., 153
Metabolism, alterations in, following trauma, *1962:* Feb., 80
bilirubin, *1964:* Feb., 15
Metacarpals, fractures, neck, *1964:* Aug., 999
shaft, *1964:* Aug., 999
Metacarpophalangeal dislocations, *1964:* Aug., 1000
Metallic implants in bone, reactions to, *1964:* Aug., 995
Metaraminol as vasopressor, *1964:* Feb., 162, 163, 164
Metastases in cancer, host factors influencing development of, *1962:* April, **335–351**
Methamphetamine as vasopressor, *1964:* Feb., 163, 164
Methicillin, *1963:* June, 876
Methimazole in thyrotoxicosis, *1962:* Feb., 159
Methotrexate, arterial infusion therapy, *1962:* April, 378, June, 816, Oct., 1159; *1963:* Feb., 32
combined with intramuscular citrovorum factor, *1962:* April, 377, June, 816
in cancer therapy, *1962:* April, 358, June, 810, 811
Methoxamine as vasopressor, *1964:* Feb., 162, 163, 164
Methoxyflurane anesthesia in children, *1964:* Dec., 1600
Methylaminoheptane as vasopressor, *1964:* Feb., 163, 164
Microsurgery, for otosclerotic deafness. See *Otosclerosis, surgery for.*
Microtia, reconstructive surgery for, *1963:* Oct., **1271–1276**
Micturition, physiology, newer thoughts on, *1962:* Aug., 889
Mikulicz resection for meconium ileus, *1963:* June, 694, 695
Mikulicz's disease, *1963:* Oct., 1288, 1290
Miller-Abbott tube in intestinal obstruction, *1962:* Oct., 1291
Mitomycin C, in carcinoma of stomach, *1962:* Oct., 1150
Mitral regurgitation, congenital, *1964:* Dec., 1466, 1467
Mitral stenosis, congenital, variations in, *1964:* Dec., 1467
Monitoring, cardiorespiratory in operations on head and neck, *1963:* Aug., 930
postoperative, in heart surgery, *1964:* April, 344
Monitors for children, cardiovascular, *1964:* Dec., 1604
respiratory, *1964:* Dec., 1604

Monitors (*Continued*)
for children, temperature, *1964:* Dec., 1606
Moore's formula for estimating fluid loss in burns, *1963:* April, 500
Morbidity and mortality rates, in standard operations, methods of improving, symposium on, *1962:* Dec., **1385–1617**
Mörch tracheostomy tube, *1964:* Feb., 233
Morgagni's foramen, herniation through, *1962:* Oct., 1187
Morphine, for wounded persons, *1963:* June, 616
overuse, after operation, *1963:* June, 615
poisoning, delayed, *1963:* June, 615
preanesthetic use, *1963:* June, 615
preoperative, in children, *1964:* Dec., 1597
Motor complications, following cordotomy, *1962:* Dec., 1580
Motor function, recovery, in nerve injuries of hand, *1964:* Aug., 1020
Mouth, carcinoma, chemotherapy by perfusion, *1962:* April, 397
cure without major deformity and morbidity by use of radon or resection and neck dissection, *1962:* Dec., **1605–1617**
etiology and diagnosis, *1963:* Aug., 1014
full jaw-neck operation for, *1962:* Dec., 1613
management of surgical defects, *1963:* Aug., 1019
neck dissection for, *1962:* Dec., 1607
recurrence after, *1963:* Aug., 1006
radiation therapy, *1962:* April, 411; *1963:* Aug., 1020
radon implantation, *1962:* Dec., 1606
surgical management, *1963:* Aug., **1003–1011**
radical, *1963:* Aug., 1005, 1008, 1010, **1013–1022**
types of lesions, *1963:* Aug., 1013
floor of, trauma to, Ludwig's angina associated with, *1963:* Aug., 926
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 948
mucosa, carcinoma of, prophylactic lymph node dissection in, *1963:* Feb., **49–61**
Mucosa, gastric, prolapsed, *1964:* June, 612
Mucous membrane, oral, frozen section examinations, *1962:* April, 452; *1963:* Aug., 944
Mueller-Mörch respirator, *1964:* Feb., 234
Muscle(s), intrinsic, paralyzed, of hand, restoration of function of, *1964:* Aug., 1054
of anorectal region, *1962:* Aug., 879, 891, 892
of fingers, anatomy, *1964:* Aug., 897
role in extension, *1964:* Aug., 914
of glenohumeral joint, *1963:* Dec., 1474
of perineum, *1962:* Aug., 878
recent thoughts on, *1962:* Aug., 891
Muscle(s) (*Continued*)
of rotator cuff, *1963:* Dec., 1507
of scapula, *1963:* Dec., 1474
transfer, in hand paralysis, *1964:* Aug., 1052, 1053, 1054, 1057
Musculoskeletal disorders of shoulder causing cervicobrachial pain, differential diagnosis and treatment, *1963:* Dec., **1703–1714**
Mustargen in cancer, *1962:* April, 354
Mutilating injuries of upper extremity, treatment, *1964:* Aug., **1107–1113**
Myasthenia, in bronchogenic carcinoma, *1962:* April, 309
in thymic tumors, *1962:* April, 306
Myasthenia gravis, thymectomy for, *1962:* June, 628
Myeloblastoma, of vocal cords, transoral approach, *1963:* Aug., 1090
Myeloid metaplasia, splenectomy for, *1963:* Feb., 220
Myeloma, multiple, chemotherapy, *1962:* April, 361
Myleran in cancer therapy, *1962:* April, 356
Mylohyoid muscle, management, in neck dissection, *1964:* Oct., 1154
Myocardium, infarction, postoperative, *1964:* April, 508
Myoma(s), of uterus, and infertility, *1962:* June, 756
Myonecrosis, clostridial, surgical treatment, hyperbaric oxygen in, *1964:* Dec., 1584
Myopathy in hypernephroma, *1962:* April, 315
Myositis, nonclostridial, gas gangrene and, differentiation, *1963:* April, 514
obliterans, in fracture-dislocations of humeral head, *1963:* Dec., 1595
Myxedema following thyroidectomy, *1962:* June, 674, 676

NAFCILLIN, *1963:* June, 876
Nalorphine (Nalline), as narcotic antagonist in surgical anesthesia, *1963:* Oct., 1230, 1231
Narcotic antagonists, in surgical anesthesia, *1963:* Oct., 1230
Narcotics, postoperative, for pain, *1964:* April, 496
overuse of, *1963:* June, 615
vs. sedatives, *1963:* June, 616
preoperative, in children, *1964:* Dec., 1597
Nasal intubation, blind, alphaprodine in, *1963:* Oct., 1240
Nasogastric tube, feeding by, *1962:* Oct., 1143
Nasopharynx, biopsy of, *1962:* April, 440
carcinoma, chemotherapy, *1962:* June, 812, 813
radiation therapy, *1962:* April, 410
Nausea, postanesthetic, *1964:* April, 499

Nebulization in pediatrics, advances in methods and equipment, *1964:* Dec., 1611–1617
Nebulizers, heated, *1964:* Dec., 1613
mechanical, *1964:* Dec., 1612
ultrasonic, *1964:* Dec., 1613–1615
Neck. See also *Spine, cervical.*
anatomy, surgical, *1964:* Oct., **1151–1160**
and head. See under *Head.*
arteries, collateral circulation, *1964:* Oct., 1175
occlusive disease, *1964:* Oct., **1175–1189**
carcinoma, *1962:* April, **469–479**
arterial infusion chemotherapy, *1962:* April, 380
digastric triangle, *1964:* Oct., 1152, 1153
dissection, in carcinoma of mouth and tongue, *1962:* Dec., 1607–1613; *1963:* Aug., 1018
radical, bilateral, *1963:* Aug., 1008
radical, incision for, *1962:* Dec., 1599, 1609
provision for skin coverage, *1962:* Dec., 1600
technique, with special emphasis on prevention of infection, *1962:* Dec., **1595–1603**
unilateral, for intraoral carcinoma, *1963:* Aug., 1005
examination of, *1962:* June, 613
lymph nodes, fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 946
posterior triangle, *1964:* Oct., 1158, 1159
sternomastoid or carotid region, *1964:* Oct., 1154, 1155
supraclavicular region, *1964:* Oct., 1158, 1159
tumors, differential diagnosis, *1962:* June, **613–621**
secondary, *1963:* Oct., 1286
wrinkles and redundant tissues, surgical removal, *1963:* Aug., **963–972**
Necrosis, of skin flaps after radical mastectomy, *1964:* April, 316
tubular, acute, management, *1963:* April, **555–568**
Needle, Brizzi, for cordotomy, *1962:* Dec., 1576
Neoplasia. See also *Tumors.*
ectopia, *1962:* April, 296
Nephrectomy, for renal hypertension, *1962:* Feb., 119
partial, indications, clinical evaluation and technique, *1963:* Oct., **1337–1342**
Nerve(s). See also under specific names.
block, regional, in hand surgery, *1964:* Feb., 264
upper extremity, *1964:* Oct., 1356
compression injuries, at operation, *1964:* April, 502
injuries, Highet scheme for grading motor and sensory recovery, *1964:* Aug., 1021
Nerve(s) (*Continued*)
injuries, in fractures and dislocations of shoulder, treatment, *1963:* Dec., **1685–1689**
in hand, evaluation and management, *1964:* Aug., **1019–1029**
in head and neck surgery, *1964:* April, 308
in radical mastectomy, *1964:* April, 319
in trauma of upper extremity, principles of repair, *1964:* Aug., 974
ischemia, after abdominal aortic surgery, *1964:* April, 478
laryngeal, anatomy, *1964:* Oct., 1167, 1168
injury at operation, after-effects, *1964:* Oct., 1169
of glenohumeral joint, *1963:* Dec., 1480
paralysis following thyroidectomy, *1962:* June, 674, 676
sensory, of head and neck, *1963:* Aug., 951
Neuralgia, facial, atypical, diagnosis and treatment, *1963:* Aug., 958
geniculate, *1963:* Aug., 956
glossopharyngeal, diagnosis and treatment, *1963:* Aug., 955
migraine and migrainous, *1963:* Aug., 959
postherpetic, diagnosis and treatment, *1963:* Aug., 958
superior laryngeal, *1963:* Aug., 956
trigeminal, diagnosis and treatment, *1963:* Aug., 954
tympanic-plexus, *1963:* Aug., 956
Neurilemmoma parapharyngeal, *1963:* Aug., 1041
Neuroblastoma in childhood, *1964:* Dec., **1469–1481**
catecholamine production and metabolism in, *1964:* Dec., 1473
diagnosis, *1964:* Dec., 1472
treatment, *1964:* Dec., 1478
Neurofibroma, of vocal cords, transoral approach, *1963:* Aug., 1090
Neurological causes of cervicobrachial pain, *1963:* Dec., **1679–1684**
Neuromuscular system, effects of tumors on, *1962:* April, 318
Neurosurgery, alphaprodine in, *1963:* Oct., 1235
diagnosis in, brachial angiography as aid, *1964:* Feb., **65–73**
echoencephalography as aid, *1964:* Feb., **55–64**
hypothermia in, *1962:* Feb., 72
Neurosurgical disorders affecting hand, *1964:* Aug., **1031–1036**
Newborn. See *Infant, newborn.*
Nisentil. See *Alphaprodine.*
Nitrogen mustards, effect on wound healing, *1962:* Feb., 26
in cancer, *1962:* April, 354, June, 810
of breast, *1962:* Aug., 870
of colon and rectum, *1962:* Oct., 1161

Nitrogen mustards (*Continued*)
in cancer, of lung, adjuvant to surgery, *1963:* Feb., 120
of stomach, *1962:* Oct., 1152
Nitrous oxide anesthesia, *1963:* June, 644
Nodule(s), of vocal cords, transoral approach, *1963:* Aug., 1086
rheumatoid, *1964:* Aug., 1082
thyroid, evaluation of, *1962:* June, **655–665**
Norepinephrine as vasopressor, *1964:* Feb., 162, 163, 164
Nose, collapse of septal support, correction with silicone rubber implant, *1963:* Oct., 1318
perichondritis, postoperative, *1964:* April, 307
Notch view in recurrent projection of shoulder, *1963:* Dec., 1641
Nucleic acids in wound healing, *1962:* Feb., 20
Nutrients, routes for supplying, *1962:* Oct., 1139
Nutrition, and hepatic metastases in cancer, *1962:* April, 342
in gastrointestinal surgery, *1962:* Oct., **1135–1146**
in severe burns, *1962:* Feb., 87
in total gastrectomy, *1964:* June, 631, 638
in trauma, *1962:* Feb., 85
inadequate, correction of, in carcinoma of esophagus, *1964:* April, 349
in surgical patients, *1964:* Feb., **141–154**

OBESE patient, abdominal hysterectomy in, *1962:* Aug., **941–946**
Obesity, correction, preoperative, *1963:* June, 659
Obstetrics, alphaprodine in, *1963:* Oct., 1239
episioproctotomy in, *1962:* Aug., **947–954**
paracervical block in, *1962:* Aug., **927–931**
progress in, symposium on, *1962:* Aug., **833–1062**
Obstruction, at anastomotic site, as cause of mortality in subtotal gastrectomy for ulcer, *1962:* Dec., 1419
Obturator artery, surgical anatomy, *1964:* Oct., 1337
Occupational therapy in hand surgery, *1964:* Feb., 269
Oliguria, acute, circumstances leading to, *1963:* April, 556
from renal failure, management, *1963:* April, **555–568**
in acute circulatory failure, treatment, *1963:* April, 487
postoperative, *1963:* June, 815; *1964:* Feb., 291–298
Oliguria (*Continued*)
postoperative, in abdominal aortic surgery, *1964:* April, 474
in esophageal surgery, *1964:* April, 367
Omentocavopexy for esophageal varices in children, *1964:* Dec., 1426
Omohyoid muscle, management in neck dissection, *1964:* Oct., 1157, 1158
Omphalitis and portal hypertension in children, *1964:* Dec., 1423
Omphalocele, management, *1963:* June, 696
Oncogenetics, *1962:* April, **289–303**
Oophorectomy for carcinoma of breast, *1962:* June, 697, Aug., 866
radical mastectomy with, *1962:* April, 497
Operation(s), cholangiography at, *1964:* Feb., 35–38
contrast visualization at, *1964:* Feb., **35–43**
pancreatography at, *1964:* Feb., 38–40
preparation for, *1963:* June, **651–664**
standard, methods of improving morbidity and mortality rates in, symposium on, *1962:* Dec., **1385–1617**
Ophthalmic surgery, alphaprodine and levallorphan in, *1963:* Oct., 1235
Oral. See *Mouth.*
Orchiopexy in undescended testis, technique, *1964:* Dec., 1577–1580
Organs, procurement and storage, problems in, *1962:* Feb., 57
transplantation, future of, *1963:* April, 334
progress and problems in, *1963:* Feb., **163–177**
surgical physiology of, *1962:* Feb., **55–67**
Oropharyngeal airway in postoperative ventilatory failure, *1963:* June, 632
Oropharynx, biopsy of, *1962:* April, 440
carcinoma, radiation therapy, *1962:* April, 411
chemotherapy by perfusion, *1962:* April, 397
surgery of, anesthesia for, *1963:* Aug., 938
Os uteri, incompetent, external scarification procedure for, experiences with, *1962:* Aug., **955–959**
infertility and, *1962:* June, 754
Osler-Weber-Rendu syndrome, *1964:* June, 803, 804
Osteoarthritis, glenohumeral, replacement arthroplasty for, *1963:* Dec., 1589, 1590
Osteochondritis of spine, *1963:* April, 360
Ostium primum, persistent, surgical treatment, *1963:* Feb., 140
Ostium secundum defect, surgery of, *1963:* Feb., 139
Otitis media, postoperative, *1964:* April, 307
Otosclerosis, pathology, *1963:* Oct., 1203
surgery for, *1963:* Oct., **1203–1215**
late care, *1963:* Oct., 1213

Otosclerosis (*Continued*)
surgery for, reconstruction of ossicular chain, *1963:* Oct., 1210
Ovalocytosis, hereditary, splenectomy for, *1963:* Feb., 218
Ovarian vein, varicocele of, *1962:* Aug., **975–983**
Ovary, carcinoma, chemotherapy, *1962:* April, 361
radiation therapy, *1962:* April, 413
cysts, infertility due to, treatment, *1962:* June, 761
ruptured, diagnosis, *1964:* June, 843
polycystic disease of, amenorrhea and, *1962:* June, 742
infertility due to, treatment, *1962:* June, 761
virilism in, *1962:* Aug., 965, 967
surgical diseases, diagnosis, *1962:* June, 583, 586
landmarks in history of, *1962:* June, 576
tumors, amenorrhea and, *1962:* June, 743
androgenism in female due to, *1962:* Aug., 965, 971
Oxacillin, *1963:* June, 876
Oxygen, hyperbaric, in anaerobic infections, *1964:* Feb., **107–112**
in carbon monoxide intoxication, *1964:* Dec., 1584
in pediatric surgery, current status, *1964:* Dec., **1583–1594**, 1621
in surgical management of gas gangrene, *1964:* Dec., 1584
therapy, in chemical peritonitis, *1962:* Oct., 1106
in surgical patient with pulmonary complications, *1964:* Feb., 221
postoperative, *1963:* June, 630

PAIN, abdominal, extra-abdominal causes, *1962:* Feb., 247
in diagnosis of acute abdominal disease, *1962:* Feb., 246
physiology of, *1962:* Feb., **241–248**
as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
central pathways, surgery of, *1963:* Aug., 959
cervicobrachial. See also *Shoulder, painful.*
causes, differential diagnosis, *1963:* Dec., 1680
musculoskeletal disorders of shoulder, diagnosis and treatment, *1963:* Dec., **1703–1714**
neurological, *1963:* Dec., **1679–1684**
psychiatric, *1963:* Dec., **1691–1695**
vascular, *1963:* Dec., **1697–1701**
control, in frostbite, *1963:* April, 532
craniocervical, cervical roots and, *1963:* Aug., 956

Pain (*Continued*)
craniofacial, anatomy of, *1963:* Aug., 951
pharmacology of, *1963:* Aug., 953
experimental and pathological, differences, *1963:* June, 611
eye, postanesthetic, *1964:* April, 502
hand, functional evaluation, *1964:* Aug., 930
in acute pancreatitis, *1962:* Dec., 1493
postoperative, *1963:* June, **609–618**; *1964:* April, 495
reaction component, *1963:* June, 612
referred, *1962:* Feb., 245
relief, sympathetic block for, *1964:* Feb., 82–86
somatic (parietal), *1962:* Feb., 245
study of, quantitative approach, *1963:* June, 609
syndromes, cranial and facial, diagnosis and treatment, *1963:* Aug., 953
mechanisms, diagnosis, management, *1963:* Aug., **951–961**
visceral, physiology of, *1962:* Feb., 243
referred to shoulder, *1963:* Oct., 1303
sympathetic block for, *1964:* Feb., 85
Palm, fasciae of, surgical anatomy, *1964:* Oct., 1351, 1352
flexor tendon injuries, primary and secondary repair, *1964:* Aug., 958
Pancoloproctectomy with permanent ileostomy in ulcerative colitis in children, *1964:* Dec., 1527, 1530
Pancreas, abscess, surgery of, for pancreatitis, *1963:* Feb., 205
adenomas, islet cell, and hyperinsulinism, *1964:* June, 754
anatomy, surgical, *1964:* Oct., **1253–1262**
biopsy of, *1962:* April, 441
blood supply, *1964:* Oct., 1255
carcinoma, chemotherapy, *1962:* April, 363
diagnosis, serum enzymes in, *1962:* Feb., 253
islet cell, *1962:* June, 712
ulcerogenic, *1963:* Oct., **1343–1348**
surgical treatment, *1962:* Oct., 1354
cysts, *1964:* June, 751
surgery of, for pancreatitis, *1963:* Feb., 204
disease, diagnosis, *1962:* June, 583, 586
errors in, *1963:* June, 756
intravenous cholangiography in, *1964:* June, 736
serum enzymes in, *1962:* Feb., 258
landmarks in history of, *1962:* June, 573
ductal system, *1964:* Oct., 1254
enzymes of, *1962:* Feb., 203
exposure and mobilization, *1964:* Oct., 1257
by extraperitoneal approach, *1964:* Oct., 1260
by gastrocolic omental route, *1964:* Oct., 1259

Pancreas (*Continued*)
exposure and mobilization, by Kocher's maneuver, *1964:* Oct., 1258
through gastrohepatic omentum or transverse mesocolon, *1964:* Oct., 1260
fistula, postoperative, *1963:* June, 759
function, and peptic ulcer, *1962:* Feb., 194, 195, 211
head, carcinoma, *1964:* June, 758
heterotopic, *1963:* June, 761
injury to, as complication of splenectomy, *1962:* Dec., 1518
insufficiency, *1963:* June, 762
metabolic importance, *1962:* Feb., 208
physiology of, surgical, *1962:* Feb., **203–218**
relation to stomach and primitive mesogastrium, surgical significance, *1964:* Oct., 1229, 1230, 1232
resection, near-total, for pancreatitis, *1963:* Feb., 208
subtotal, for pancreatitis, *1963:* Feb., 207
secretion, external, *1962:* Feb., 205
of electrolytes and enzymes, *1962:* Feb., 208
sensory denervation, for pancreatitis, *1963:* Feb., 204
sphincterotomy, for pancreatitis, *1963:* Feb., 207
surgery of, complications, *1963:* June, **755–764**
trends in, *1964:* June, **743–761**
tumors, insulin-secreting, diagnosis and differential diagnosis, *1963:* Feb., 81
laboratory study, *1963:* Feb., 87
progress in surgical treatment, *1963:* Feb., **79–97**
islet cell, and hyperinsulinism, *1962:* June, **709–720**
operative procedures, *1962:* June, 716
indications for exploratory operations, *1962:* June, 715
systemic effects, *1962:* April, 312
ulcerogenic, *1963:* Oct., **1343–1348**
Pancreatectomy, caudal, for pancreatitis, *1963:* Feb., 207
current status, *1962:* Oct., **1353–1368**
diet after, *1964:* June, 661
for islet cell tumors with hyperinsulinism, *1962:* June, 717
near-total, for pancreatitis, *1963:* Feb., 208
Pancreatic ducts, exploration, in pancreatitis, *1963:* Feb., 206
ligation, for pancreatitis, *1963:* Feb., 208
Pancreatic rests, aberrant, in stomach, *1964:* June, 615
Pancreaticoduodenal carcinoma, *1962:* Oct., 1354
Pancreaticoduodenectomy, drainage of common duct prior to, *1962:* Oct., 1359
Pancreaticoduodenectomy (*Continued*)
for pancreatitis, *1963:* Feb., 207
gastroenteric reconstruction after, *1962:* Oct., 1355, 1356
indications and technique, *1962:* Oct., **1353–1368**
Pancreatitis, acute, after biliary surgery, *1963:* June, 748
after gastric surgery, *1963:* June, 768
after partial pancreatic resection, *1963:* June, 758
calcium metabolism in, *1962:* Feb., 210
causes of death in relation to treatment, *1962:* Dec., 1495
diagnosis, *1962:* Dec., 1490, 1491
management, *1962:* Dec., **1489–1497**; *1963:* Feb., 201; *1964:* June, 743
physiology of, *1962:* Feb., 209
as cause of mortality in subtotal gastrectomy for ulcer, *1962:* Dec., 1423
chronic, management, *1964:* June, 748
recurrent, surgery for, *1962:* Oct., 1361
jaundice due to, after biliary tract surgery, *1964:* April, 442
local, after gastrectomy, *1964:* April, 372
operations for, *1963:* Feb., **201–212**
pathophysiology, *1963:* Feb., 201
postoperative, *1962:* Dec., 1494; *1964:* June, 747
traumatic, complications, *1963:* April, 402
diagnosis and treatment, *1963:* April, **401–411**; *1964:* June, 746
with rupture of duodenum, *1963:* April, 420
Pancreatoduodenectomy for periampullary carcinomas, *1964:* June, 757–759
Pancreatography, operative, *1964:* Feb., 38–40
Pancreatojejunostomy for pancreatitis, *1963:* Feb., 207
Pancreatolithiasis, *1964:* June, 750
Papanicolaou smear, importance, in annual physical examination, *1962:* April, 442
Papillomas, laryngeal, benign, malignant transformation in children after radiation therapy, *1963:* Aug., **1049–1061**
of vocal cords, transoral approach, *1963:* Aug., 1084
Paracentesis, abdominal, in ruptured spleen, *1963:* April, 452
Paracervical block, in obstetrics and gynecology, *1962:* Aug., **927–931**
technique and armamentarium, *1962:* Aug., 927
Paraganglioma, *1962:* April, 545–551
hypertension in, surgical physiology, *1962:* Feb., 97
Paralysis, cerebral, surgery of hand in, *1964:* Aug., **1061–1070**
compression, postanesthetic, *1964:* April, 502
facial, following head and neck surgery, *1963:* Aug., 924

Paralysis (*Continued*)
hand, restoration of function in, *1964:* Aug., **1049–1059**
ischemic, Volkmann's, *1964:* Aug., 1043
vocal cords, transoral approach, *1963:* Aug., 1088
Parapharyngeal tumors, *1963:* Aug., **1041–1047**
Paraplegia, decubitus ulcers in, surgical treatment, *1963:* Feb., 249
following heart surgery, *1963:* June, 738
Parasympatholytic agents, preoperative, in children, *1964:* Dec., 1598
Parathyroid gland(s), adenomas, *1962:* June, **633–638**
anatomy, *1962:* Feb., 171
surgical, *1964:* Oct., 1171–1173
carcinoma, *1963:* Aug., 1120
report of case, *1963:* Aug., **1123–1127**
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 947
function and disturbances, *1962:* Feb., **171–183**
lesions of, problems arising from, *1963:* Aug., 1119
surgical diseases, diagnosis, *1962:* June, 583, 585
landmarks in history of, *1962:* June, 572
transplants, *1963:* Feb., 173
tumors, *1963:* Oct., 1284
Paré, Ambroise, *1963:* April, 318, 319
Parenteral feeding, *1962:* Oct., 1140, 1142
Paronychia, *1964:* Aug., 984, 985
Parotid abscess, drainage, *1964:* Oct., 1149
Parotid duct, anatomy, *1964:* Oct., 1147
Parotid gland(s), anatomy, surgical, *1964:* Oct., **1145–1150**
complications, in head and neck surgery, *1964:* April, 306
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 948
Parotidectomy, facial nerve in, *1963:* Aug., **973–977**
indications for, *1963:* Aug., 974
Parotitis, postoperative, *1964:* April, 306
Pediatric inhalation therapy, recent advances, *1964:* Dec., **1611–1623**
Pediatric surgery, hyperbaric oxygenation in, current status, *1964:* Dec., **1583–1594**
symposium on, *1964:* Dec., **1421–1623**
Pelvic abscess, after appendectomy, *1964:* April, 424
after colon surgery, *1964:* April, 408
Pelvic blood vessels, anatomy, surgical, *1964:* Oct., **1335–1347**
Pelvic cancer, arterial infusion chemotherapy, results, *1962:* April, 380
perfusion chemotherapy, *1962:* April, 397
Pelvic cavity, management following pelvic exenteration, *1962:* Dec., 1590
Pelvic exenteration. See *Exenteration.*
Pelvic surgery, complications, *1963:* June, **789–810**
Pelvic varicose veins and varicocele, *1962:* Aug., **975–983**
Penicillin(s), *d*-aminobenzyl, *1963:* June, 877
in management of cavity following pelvic exenteration, *1962:* Dec., 1590
in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1485
new, *1963:* June, 876
Penis, reformation, in hypospadias repair, *1964:* Dec., 1562
Penthrane. See *Methoxyflurane.*
Pentothal anesthesia, *1963:* June, 648
Peptic ulcer. See also *Duodenum, ulcer,* and *Stomach, ulcer.*
cortisone-induced, *1962:* Feb., 196
hemorrhage in, in aged, emergency surgery for, *1963:* Feb., 263
intragastric cooling in, *1962:* Oct., 1175, 1176
islet cell tumor of pancreas and, *1962:* April, 312
pancreatic function and, *1962:* Feb., 194, 195, 211
perforation of, biopsy in, *1962:* April, 442
in aged, emergency surgery for, *1963:* Feb., 265
pain in, *1962:* Feb., 247
peritonitis due to, *1962:* Oct., 1102
management, *1962:* Oct., 1106
physiology of gastric secretion and, *1962:* Feb., **185–201**
subtotal gastrectomy for, *1962:* Dec., **1419–1429**
Perforation, esophageal, operative visualization with dye, *1964:* Feb., 42
in diverticulitis of colon, *1964:* June, 786
of alimentary tract, peritonitis secondary to, management, *1962:* Dec., **1481–1487**
of peptic ulcer. See under *Peptic ulcer.*
Perforator veins of leg, *1964:* Oct., 1370, 1385
incompetent, treatment, *1964:* Oct., 1393
Perfusions for open-heart surgery requiring only 5 per cent dextrose in water for pump priming, *1964:* Feb., **253–262**
Perianus, carcinoma, epidermoid squamous cell, *1962:* Oct., **1235–1241**
Periarthritis of shoulder, natural history, *1963:* Dec., 1515
Pericardiectomy, in recurrent idiopathic pericarditis, *1963:* Oct., **1323–1329**
Pericarditis, idiopathic, recurrent, pericardiectomy in, *1963:* Oct., **1323–1329**
Perichondritis, postoperative, nasal, *1964:* April, 307
of ear, *1964:* April, 307
Perineal body, anatomy of, in female, *1962:* Aug., 887
in male, *1962:* Aug., 885

Perineal pouch, contents of, in female, *1962:* Aug., 887
in male, *1962:* Aug., 884
Perineotomy, complete, *1962:* Aug., **947–954**
Perineum, anatomy of, surgical, *1962:* Aug., **877–893**
Peripheral vascular disease, diagnosis, in surgical patient, *1964:* Feb., 32
Peritoneal complications of appendectomy, *1964:* April, 423
Peritoneal dialysis in acute renal failure, *1963:* June, **883–896**
Peritoneal lavage, in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1485
Peritoneal surface, prevention of cancer, at operation, *1962:* Oct., 1153
Peritonealization of pelvis, new method, *1964:* Oct., 1291
Peritonitis, antibiotics in, *1964:* Feb., 102
bacterial, *1962:* Oct., 1103, 1110
bile, *1964:* Feb., 281, April, 433
following biliary surgery, *1963:* June, 751
chemical, *1962:* Oct., 1102, 1106
postoperative, *1963:* June, 875
in abdominoperineal resection, *1964:* April, 455
in colon surgery, *1963:* June, 777; *1964:* April, 407
in pelvic surgery, *1963:* June, 807
in surgery of small intestine, *1964:* April, 392
with obstruction, *1963:* June, 847
secondary to perforation of alimentary tract, causes and management, *1962:* Dec., **1481–1487**
shock in, mechanism and management, *1962:* Oct., **1101–1113**
Peutz-Jeghers' syndrome, *1964:* June, 803
Pfannenstiel incision, *1962:* Aug., 1038
Phalanges, fractures, *1964:* Aug., 995
individual, extension of, *1964:* Aug., 907
Pharyngo-esophageal diverticula, *1963:* Aug., **1165–1169**; *1964:* June, **589–595**
Pharynx, trauma to, *1963:* Aug., 920
Phenylalanine mustard, arterial infusion, for melanoma, *1963:* Feb., 32
Phenylephrine as vasopressor, *1964:* Feb., 162, 163, 164
Pheochromocytoma, *1962:* April, 545–551
diagnosis, *1962:* April, 547, June, 582, 584
hypertension in, surgical physiology, *1962:* Feb., 97
surgical treatment, 10 years' experience with 15 cases, *1962:* June, **721–732**
Phlebitis, deep, treatment, *1964:* Oct., 1398
postoperative, *1963:* June, **827–838**
Phlegmasia cerulea dolens following appendectomy, *1964:* April, 415
Phosphatase, acid, in carcinoma of prostate, *1962:* Feb., 252
Phosphatase (*Continued*)
alkaline, in hepatobiliary disease, *1962:* Feb., 256
plasma, in jaundice, *1964:* Feb., 18, 20, June, 695
Phosphorus, metabolism, *1962:* Feb., 172
Phrenic nerve, distribution, intradiaphragmatic, surgical significance, *1964:* Oct., **1217–1226**
Phrenoesophageal membrane, anatomy, *1964:* Oct., 1203, 1206, 1213
Physicians, dangerous, *1963:* April, 335
Physiology, applied, in surgical disease, symposium on, *1962:* Feb., **1–265**
of abdominal pain, *1962:* Feb., **241–248**
of burns, *1962:* Feb., 81
of fluid and electrolyte imbalance, *1962:* Feb., **35–54**
of gastric secretion as it applies to peptic ulcer, *1962:* Feb., **185–201**
of hypothermia, *1962:* Feb., **69–77**
of intestinal strangulation obstruction, *1962:* Feb., **219–229**
of parathyroid glands and their disturbances, *1962:* Feb., **171–183**
of thyroid disease, *1962:* Feb., **151–169**
of wound healing, *1962:* Feb., **15–34**
surgical, of hypertension, *1962:* Feb., **91–107**
of pancreas, *1962:* Feb., **203–218**
of shock, *1962:* Feb., **3–13**
of transplantation of tissues and organs, *1962:* Feb., **55–67**
of trauma, *1962:* Feb., **79–90**
Physiotherapy, in hand surgery, *1964:* Feb., 269, Aug., 948
lung, as adjunct to surgical care, *1964:* Feb., **219–226**
Pilonidal sinus disease, *1962:* June, **787–792**; *1964:* June, **859–863**
operative technique, *1962:* June, 789, 790; *1964:* June, 862
Pin, straight, removal from peripheral lung, simplified transpleural technique, *1963:* Oct., **1419–1424**
Pins for old unreduced dislocation of shoulder, *1963:* Dec., 1675, 1677
Pitressin. See *Vasopressin.*
Pituitary gland, adenomas, roentgen treatment, dosages, *1962:* June, **603–611**
and hepatic metastases in cancer, *1962:* April, 345
lesions, androgenism in female due to, *1962:* Aug., 962
surgical diseases, landmarks in history of, *1962:* June, 570
tumors, diagnosis, *1962:* June, 581, 582
Placenta, pathology of, in postmaturity, *1962:* Aug., 897
Plasma, thromboplastin antecedent deficiency, *1964:* Feb., 188
thromboplastin component deficiency, *1964:* Feb., 188
use of, in hemorrhagic disease in surgical patient, *1964:* Feb., 192

Plastic surgery, fundamental principles, in injuries of upper extremity, *1964:* Aug., **971–976**
Pleural effusion, malignant, partial pleurectomy for, *1963:* Feb., **99–108**
talc poudrage in treatment, *1962:* Dec., **1521–1526**
Pleurectomy, partial, for malignant pleural effusions, *1963:* Feb., **99–108**
Plexus, esophageal, *1964:* Oct., 1240, 1243
Pneumoencephalography, alphaprodine in, *1963:* Oct., 1236
Pneumonectomy, for carcinoma of lung, *1963:* Feb., 112, 116
methods of improving morbidity and mortality rates, *1962:* Dec., **1527–1536**
postoperative care, *1962:* Dec., 1532
precautions during operation, *1962:* Dec., 1528
preoperative preparation, *1962:* Dec., 1528
pulmonary hypertension after, assessment and management, *1963:* Feb., 126, 128, 129
Pneumonia, complicating ruptured spleen, *1963:* April, 454
postoperative, *1963:* June, 871, 873; *1964:* Feb., 230, 231
in appendectomy, *1964:* April, 412
protection against, *1964:* April, 540
Pneumothorax, postoperative, *1964:* April, 549
in head and neck surgery, *1963:* Aug., 922; *1964:* April, 310
in lung surgery, *1963:* June, 728; *1964:* April, 327
in radical mastectomy, *1964:* April, 318
Poliomyelitis, paralyzed hand in, operations for, *1964:* Aug., 1056, 1057, 1058
Polycythemia, in cancer, *1962:* April, 321
of kidney, *1962:* April, 314
of liver, *1962:* April, 310
Polyoma virus, animal studies, *1962:* April, 276, 277
Polyps, and polypoid lesions of large bowel, surgical considerations, *1962:* Dec., **1451–1465**. See also under *Intestine, large.*
colonic, in Hawaii, *1963:* Oct., 1402
endometrial, associated gynecologic disease, *1962:* Aug., 1019
clinical aspects, *1962:* Aug., **1013–1023**
dilatation and curettage in, *1962:* Aug., 1017
fertility and, *1962:* Aug., 1018
life history and, *1962:* Aug., 1021
of colon, cancer and, *1962:* Oct., 1078, 1219
logic or fantasy, *1962:* Oct., **1077–1080**
of duodenum, *1964:* June, 670
of small intestine, *1964:* June, 801
of stomach, *1964:* June, 615
of vocal cords, transoral approach, *1963:* Aug., 1084
Portacaval shunt, elective, test criteria, *1964:* Feb., 22
in esophageal varices in children, *1964:* Dec., 1425
reduction of operative risks, *1962:* Dec., **1499–1508**
Portal hypertension. See *Hypertension, portal.*
Portography in portal hypertension, *1964:* Feb., **45–54**
Postcoital test in infertility, *1962:* June, 750
Postgastrectomy syndrome, newer concepts, *1963:* Feb., 272
Postmaturity, fetal, *1962:* Aug., **895–907**
as cause of fetal deaths, *1962:* Aug., 896, 903
diagnosis and treatment, *1962:* Aug., 904, 905
placental pathology in, *1962:* Aug., 898
Postoperative complications, immediate, symposium on, *1964:* April, **303–564**
symposium on, *1963:* June, **575–904**
Postoperative patient, ventilatory failure in, *1963:* June, **619–636**
Postoperative period, fluids and electrolytes in, *1962:* Feb., 45
respiratory support in, *1964:* Feb., **227–241**
Postpericardiotomy syndrome after heart surgery, *1964:* April, 512
Postphlebitic syndrome, treatment, *1964:* Oct., 1398
Postprandial syndrome after gastrectomy, *1964:* April, 378
Posture, as cause of painful shoulder, *1963:* Oct., 1303
disturbances, causing cervicobrachial pain, *1963:* Dec., 1703
in control of edema of lower extremities, physiologic principles, *1962:* Feb., **141–149**
Potassium, depletion, *1962:* Feb., 41
abnormal patterns due to, *1964:* Feb., 138
replacement of, *1964:* Feb., 128, 132
in blood and urine, normal, *1962:* Feb., 40
requirements, normal, *1964:* Feb., 127
serum in acute tubular necrosis, *1963:* April, 561
Pott, Percivall, *1963:* April, 318, 320
Pouce flottant, *1964:* Aug., 1094, 1099
Poudrage, talc, in pleural effusion due to cancer, *1962:* Dec., **1521–1526**
Pregnancy, anorexia nervosa with, report of case, *1962:* Aug., **921–925**
date of confinement, determining, *1962:* Aug., 895
duration of, average, *1962:* Aug., 899
ectopic, diagnosis, *1964:* June, 844
postmature, problem of, *1962:* Aug., **895–907**
stress fracture of ribs associated with, *1962:* Aug., **909–919**

Preoperative antibiotics, *1963:* June, **665–676**
Preoperative medication in children, *1964:* Dec., 1595
Preoperative preparation, adequate, what constitutes, *1963:* June, **651–664**
Pressure bandage, in leg ulcers due to vascular insufficiency, *1963:* Oct., 1308
Pressure, in control of edema of lower extremities, physiologic principles, *1962:* Feb., **141–149**
voiding, measuring, in bladder neck contracture, *1964:* Dec., 1541–1544
Private clinic surgery in U.S.A., symposium on, *1963:* Oct., **1201–1431**
Procidentia. See *Prolapse.*
Proctocolectomy for ulcerative colitis, proctectomy phase, anatomic approach for completing, *1964:* Oct., **1287–1296**
Profundus tendon, *1964:* Oct., 1362
repair of, *1964:* Aug., 965
Prolapse of uterus, treatment in aged women, *1962:* Aug., **1033–1047**
Pronation deformity of forearm in cerebral palsy, treatment, *1964:* Aug., 1062
Propylthiouracil in thyrotoxicosis, *1962:* Feb., 159
Prostate, carcinoma, chemotherapy, *1962:* April, 362
diagnosis, serum enzymes in, *1962:* Feb., 252
hormonal treatment, *1962:* April, 359
radiation therapy, *1962:* April, 415
with metastases, *1962:* June, **771–777**
hypertrophy, bladder neck obstruction due to, evaluation of symptoms, *1962:* June, **765–770**
surgical complications arising in, *1963:* June, 824
Prostheses, complications, in abdominal aortic surgery, *1964:* April, 471, 479
for replacement of aneurysm of abdominal aorta, *1962:* Dec., 1559
for total aortic valve replacement, *1962:* Dec., 1537
in hand amputations, *1964:* Aug., 1123
Teflon, for total aortic valve replacement, *1962:* Dec., 1537
Prosthodontic rehabilitation, after jaw resection, *1963:* Aug., **997–1001**
Protein hydrolysate solutions for intravenous feeding, *1964:* Feb., 150
Protein-bound iodine determinations as test of thyroid function, *1962:* Feb., 153
Proteins, in wound healing, *1962:* Feb., 19
intravenous feeding, *1962:* Oct., 1142
metabolism, tests, in jaundice, *1964:* June, 696
plasma, abnormal enteric loss, in gastrointestinal disease, *1962:* Oct., **1125–1133**
measurements, *1962:* Oct., 1126
requirements, in gastrointestinal surgery, *1962:* Oct., 1138
synthesis, by pancreas, *1962:* Feb., 208
Prothrombin depressants in thrombophlebitis and its sequelae, superiority of heparin over, *1964:* Feb., **195–209**
Pseudoalleles, *1962:* April, 289
Pseudocysts of pancreas, surgery of, for pancreatitis, *1963:* Feb., 204
Pseudosarcoma, of vocal cords, transoral approach, *1963:* Aug., 1090
Psychiatric factors in cervicobrachial pain, *1963:* Dec., **1691–1695**
Pulmonary. See also *Lung.*
Pulmonary atresia, surgery of, hyperbaric oxygen in, *1964:* Dec., 1589
Pulmonary embolism, postoperative, *1963:* June, **827–838**; *1964:* April, 516
Pulmonary hypertension, cardiovascular surgery and, *1962:* Feb., **131–140**
surgical procedures in presence of, *1963:* Feb., **125–132**
Pulmonary infarction, postoperative, *1964:* April, 516
Pulmonary insufficiency, postoperative, in lung surgery, *1964:* April, 332
Pulmonic stenosis, congenital, variations in, *1964:* Dec., 1466
surgery of, *1963:* Feb., 141; *1964:* Dec., 1591
with interventricular septal defect, surgery of, *1963:* Feb., 142
Pulp infection of hand, *1964:* Aug., 986
Pump lung in cardiac surgery, *1964:* April, 341
Purinethol in cancer, *1962:* April, 358
Purpura, fibrinolytic, postoperative, *1963:* June, 723
thrombocytopenic, splenectomy for, *1963:* Feb., 216, 222
Pylephlebitis after appendectomy, *1964:* April, 426
Pyloric stenosis, surgical complications, in children, *1963:* June, 692
Pyloroplasty, after esophagogastrectomy, *1964:* April, 366
technique, in repair of hiatal hernia, *1964:* June, 603
with selective gastric vagotomy, *1962:* Dec., 1437
Pyoderma gangraenosum in ulcerative colitis, *1964:* June, 816
Pyometra, malignant disease and, association of, *1962:* Aug., 1029
Pyramidal lobe of thyroid, *1964:* Oct., 1161
Pyrimidines, fluorinated, in cancer, *1962:* June, 810, 811
arterial infusion therapy, *1962:* April, 379, June, 816
Pyuria, postoperative, in abdominal aortic surgery, *1964:* April, 480

RABIES, *1963:* April, 540–544
Radial component, aplasia of, congenital, reconstruction of, *1964:* Aug., **1091–1105**
Radiation, cervical stenosis due to, *1962:* Aug., 1027

Radiation (*Continued*)
response to, predicting, in cervical cancer, *1962:* Aug., **985–1004**
Radiation therapy, basic concepts, *1962:* April, 404
effects in carcinoma of breast, *1962:* Dec., 1473
in children, malignant transformation of benign laryngeal papillomas after, *1963:* Aug., **1049–1061**
of cancer, *1964:* Feb., **91–96**
adjuvant to surgery, *1964:* Feb., 95
place in modern management, *1962:* April, **403–417**
postoperative, *1964:* Feb., 95
preoperative, *1964:* Feb., 92
specific applications, *1962:* April, 409–416
of malignant melanoma, *1962:* April, 463
of thyroid carcinoma, *1962:* April, 489
Radiography, Polaroid, with gynecography, *1962:* June, 734
Radioiodine. See *Iodine, radioactive.*
Radioisotope methods, for blood volume determinations, *1963:* Feb., 188
in diagnosis of upper gastrointestinal bleeding, *1962:* Oct., 1094
Radioisotopes in surgery, *1964:* Feb., **75–80**
Radiosensitivity, of cervical cancer, *1962:* Aug., **985–1004**
testing procedures, *1962:* Aug., 987
Radius, absence, management, *1964:* Aug., 1095
variations of, *1964:* Aug., 1093
fractures, nonunion in, *1963:* April, 348
Radon, in carcinoma of mouth and tongue, *1962:* Dec., 1606
Raw surfaces, postoperative bleeding from, *1963:* June, 719
Rectal tube decompression, *1964:* Feb., **279**
Rectosigmoid, left colon and, resection of, value of Foley catheter cecostomy, *1962:* Dec., **1475–1479**
Rectovaginal and abdominal examination, bimanual, technique, *1964:* June, 842
Rectovaginal septum, formation of, *1962:* Aug., 890
Rectovesical septum, formation of, *1962:* Aug., 890
Rectum, anatomy, applied, *1964:* Oct., **1297–1303**
biopsy of, *1962:* April, 440
in Hirschsprung's disease, *1964:* Dec., 1495
bleeding from, in diverticulitis of colon, *1962:* Oct., 1272
blood supply, *1962:* Oct., 1223
carcinoid, *1962:* Oct., 1243
carcinoma, abdominoperineal resection for, complications, *1964:* April, **449–459**
Rectum (*Continued*)
carcinoma, chemotherapy, *1962:* Oct., 1152
local measures, *1962:* Oct., 1152
regional methods, *1962:* Oct., 1155
diagnosis, *1962:* Oct., 1219
surgical treatment, choice of operation, *1962:* Oct., 1222
current considerations, *1962:* Oct., **1219–1234**
feeding by, *1962:* Oct., 1144
operations on, diet after, *1964:* June, 663
polyps, cancer and, *1962:* Oct., 1219
surgical lesions, in Hawaii, *1963:* Oct., **1397–1414**
villous adenoma of, treatment, *1962:* Dec., 1460
Reflux, gastroesophageal, physiology, controversy in, *1964:* Oct., 1211
prevention, anatomic aspects, *1964:* Oct., **1201–1209**
Refrigeration. See *Hypothermia.*
Rehabilitation, prosthodontic, after jaw resection, *1963:* Aug., **997–1001**
Rejection phenomenon in tissue transplantation, *1962:* Feb., 57
attenuation or paralysis of, *1962:* Feb., 60
Relaxants in pediatric surgery, *1964:* Dec., 1600
Renal. See also *Kidney.*
Renal artery, stenosis, hypertension due to, *1962:* Feb., **109–130**
surgical correction, *1962:* Feb., 121
Renogram, radioisotope, in renal hypertension, *1962:* Feb., 113
Renovascular disease, diagnosis, in surgical patient, *1964:* Feb., 31
Respiration. See also *Airway, Breathing* and *Ventilation.*
artificial, in postoperative ventilatory failure, *1963:* June, 632
insufficiency, following heart surgery, *1963:* June, 738
intermittent positive pressure, in infants, *1964:* Dec., 1618
monitors of, for children, *1964:* Dec., 1604
physiology, abnormal, *1964:* Feb., 229
normal, *1964:* Feb., 227
problems, after esophageal surgery, *1964:* April, 355
in immediate postoperative period, *1964:* April, 493, **537–552**
support of, postoperative, *1964:* Feb., **227–241**
Respirators, types, *1964:* Feb., 234
Respiratory acidosis. See under *Acidosis.*
Respiratory infections in children, intussusception and, *1964:* Dec., 1511, 1513
Respiratory system, protection in head and neck surgery, *1963:* Aug., 934
upper, fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 948
Resuscitation, cardiac, with monopulse DC current defibrillator, *1964:* Feb., **243–251**

Reticuloendothelial malignancies, chemotherapy, *1962:* April, 361
radiation therapy, *1962:* April, 416
Reticuloendothelial system, and hepatic metastases in cancer, *1962:* April, 341
Retinacular ligament, anatomy, *1964:* Aug., 904
role in extension of fingers, *1964:* Aug., 915
Retroperitoneal exploration, incisions for, *1963:* April, 389
Retroperitoneal hematoma, management, *1963:* April, 399
Retroperitoneal rupture of duodenum due to nonpenetrating trauma, *1963:* April, **413–431**
Retroperitoneal tumors, systemic effects, *1962:* April, 311
Revascularization, renal, for renal hypertension, *1962:* Feb., 121
Rheumatic patient, arterial embolization in, postoperative, *1964:* April, 518
Rheumatoid arthritis, surgical treatment, *1964:* Aug., **1081–1090**
Rheumatoid nodule, *1964:* Aug., 1082
Rhytidectomy, facial and cervical, *1963:* Aug., **963–972**
Rib(s), cervical, *1963:* Dec., 1481
cervicobrachial pain due to, *1963:* Dec., 1705
stress fracture, associated with pregnancy, *1962:* Aug., **909–919**
Ring, esophageal, *1964:* June, 578
Roentgen diagnosis of androgenism in female, *1962:* Aug., 967
of esophageal achalasia, *1962:* Dec., 1408
of gastric lesions, *1964:* June, 620
of gastrojejunocolic fistula, *1962:* Dec., 1446
of intra-articular fracture in recurrent dislocation of shoulder, *1963:* Dec., 1639
of jaundice, *1964:* June, 699
of retained surgical sponges, *1964:* Feb., 40, 41
of shoulder dislocations, posterior, *1963:* Dec., 1624
of tumors of small intestine, *1964:* June, 793
of upper gastrointestinal hemorrhage, *1962:* Oct., 1092
operative, *1964:* Feb., **35–43**
Roentgen treatment, basic concepts, *1962:* April, 404
of cancer, of breast, *1962:* Aug., 854
palliative, *1962:* Aug., 869
postoperative, *1962:* April, 496
simple mastectomy with, *1962:* Aug., 846, 855, 858
of cervix, radiosensitivity testing procedures, *1962:* Aug., 987
of colon and rectum, 5-fluorouracil with, *1962:* Oct., 1164
preoperative, *1962:* Oct., 1228
Roentgen treatment (*Continued*)
of cancer, of lung, pre- and postoperative, *1963:* Feb., 119
of thyroid, *1962:* April, 490
place in modern management, *1962:* April, **403–417**
of marginal ulcer, high voltage, *1964:* June, 647
of pituitary adenomas, dosages in, *1962:* June, **603–611**
Roentgenogram, chest, preoperative, in estimating ventilatory function, *1963:* June, 624
Röntgen, Wilhelm Conrad, *1963:* April, 322
Rotator cuff, anatomy, *1963:* Dec., 1475, 1476, **1507–1515**
calcification and degenerative changes of, as causes of painful shoulder, *1963:* Oct., 1300
calcified deposits in, experimental production, *1963:* Dec., 1483
natural history and clinical syndromes, *1963:* Dec., **1489–1493**
rupture, conservative treatment, selection of cases for, *1963:* Dec., **1531–1534**
diagnosis and treatment, *1963:* Dec., **1523–1530**
disability evaluation, *1963:* Dec., 1725
in shoulder dislocation, *1963:* Dec., 1618
major, repair of, *1963:* Dec., **1535–1540**
surgical anatomy, *1963:* Dec., **1507–1515**
vascular supply, *1963:* Dec., **1521–1522**
Roux en Y technique in common duct stricture, *1962:* Oct., 1333, 1335
Rubber, silicone, as subcutaneous implant material, *1963:* Oct., **1313–1321**
Rubin's test in infertility, *1962:* June, 751
Rupture, of duodenum, retroperitoneal, due to nonpenetrating trauma, *1963:* April, **413–431**
of rotator cuff. See under *Rotator cuff.*
of spleen, *1963:* April, **445–455**

SACRAL decubitus ulcers, surgical treatment, *1963:* Feb., 251, 257
Sagittal bands, *1964:* Aug., 901
Saliva, electrolytes in, in renal failure, *1963:* April, 559
flows, in renal failure, *1963:* April, 559
Salivary glands, tumors of, *1963:* Oct., 1284
San Francisco medical schools, history of, *1962:* Aug., **833–837**
Saphenous vein(s), anatomy, *1964:* Oct., 1369, 1375
incompetent, treatment, *1964:* Oct., 1378, 1391

Sarcoidosis, Boeck's, *1963:* Oct., 1289
Sarcoma, chemotherapy, by arterial infusion, *1963:* Feb., 32
by perfusion technique, postsurgery, *1963:* Feb., 46
of small intestine, *1964:* June, 795
Scalene nodes, anatomy, *1964:* Oct., 1158
biopsy, *1962:* April, 440
in carcinoma of lung, *1963:* Feb., 110
Scalenus anticus syndrome, as cause of painful shoulder, *1963:* Oct., 1303
cervicobrachial pain in, *1963:* Dec., 1705
Scaphoid, arthroplasty of, *1964:* Aug., 1003
bone graft of, *1964:* Aug., 1003
fractures, complications, *1964:* Aug., 1000
Scapula, fractures, diagnosis and treatment, *1963:* Dec., **1565–1571**
disability evaluation, *1963:* Dec., 1725
neck, fractures, *1963:* Dec., 1569
surgical anatomy and function, *1963:* Dec., 1474
Scarification procedure, external, for incompetent cervix, experiences with, *1962:* Aug., 955–959
Scintigram, in evaluation of thyroid nodule, *1962:* June, 657–664
Scopolamine, preoperative, in children, *1964:* Dec., 1598
Screws, for old unreduced anterior dislocation of shoulder, *1963:* Dec., 1674
Scrotum, injuries, operative, *1963:* June, 825
Sedation, for otologic surgery, *1963:* Oct., 1208
Sedatives, preoperative, in children, *1964:* Dec., 1597, 1598
Seizures, echoencephalography in, *1964:* Feb., 59
Seminal vesicles, surgical complications arising in, *1963:* June, 824
Seminoma, *1962:* June, 783
Senility, cervical stenosis in, *1962:* Aug., 1027
Sensitization response as test of radiosensitivity of cervical cancer, *1962:* Aug., 988, 993
Sensory function, recovery, in nerve injuries of hand, *1964:* Aug., 1020, 1021
Sensory impairment, evaluation, in hand injuries, *1964:* Aug., 930
Septal defects, aortic, *1964:* Dec., 1462
atrial, surgery of, *1963:* Feb., 139
ventricular, surgical treatment, *1963:* Feb., 136
variations in, *1964:* Dec., 1459
with pulmonary stenosis, surgery of, *1963:* Feb., 142
Septum(a), intermuscular, in thigh and and leg, *1964:* Oct., 1385
Seroma, after radical mastectomy, *1964:* April, 318
Serum, use of, in hemorrhagic disease in surgical patient, *1964:* Feb., 192
Sex, anomalies, in newborn, *1963:* June, 701
influence on operative risk in aneurysm of aortic arch, *1962:* Dec., 1550
Sherman, William O'Neill, *1963:* April, 321, 323
Shirodkar cerclage operation for incompetent cervical os, *1962:* June, 754, 755
Shivering, postanesthetic, *1964:* April, 498
Shock, causes and management, recent additions to knowledge of, *1962:* Feb., **3–13**
diagnosis and evaluation of patient in, *1962:* Feb., 7
hemorrhagic, chlorpromazine in, evaluation of, *1964:* Feb., 175–177
irreversible, development of, *1962:* Feb., 4
treatment, *1962:* Feb., 10
newer attitudes in, *1964:* Feb., **173–183**
hypovolemic, *1963:* June, 598
in burns, treatment, *1963:* Feb., 231
in craniotomy, *1962:* Dec., 1568
in pelvic exenteration, *1962:* Dec., 1588
in peritonitis, mechanism and management, *1962:* Oct., **1101–1113**
irreversible, *1963:* June, 599
normovolemic, *1963:* June, 598
pathophysiology, *1964:* Feb., 174
postoperative, hypovolemic, *1964:* April, 523
in esophageal surgery, *1964:* April, 358
in gastric surgery, *1964:* April, 374
septic, *1964:* April, 524
refractory, management, *1963:* June, 605
surgical, management in children, *1964:* Dec., 1607
traumatic, *1963:* June, **597–608**
acute oliguria due to, management, *1963:* April, 557
management, *1963:* April, **469–495**, June, 600
physiologic considerations, *1963:* April, 471
vasopressors in, *1964:* Feb., 165, 168
versus hypotension, *1964:* Feb., 160
Shoulder, arthrodesis of, indications and technique, *1963:* Dec., **1599–1607**
athletic injuries, *1963:* Dec., 1551–1554
calcified deposits in, experimental production, *1963:* Dec., **1483–1488**
natural history and clinical syndromes, *1963:* Dec., **1489–1493**
operative treatment, *1963:* Dec., **1501–1504**
results of treatment, *1963:* Dec., **1505–1506**
symptomatic, nonoperative treatment, *1963:* Dec., **1489–1493**
capsulitis, adhesive, *1963:* Dec., 1708–1713

Shoulder (*Continued*)
checkrein. See *Shoulder, frozen.*
disability evaluation about, *1963:* Dec., **1721–1726**
dislocations, anterior, prognosis and treatment, *1963:* Dec., **1609–1614**
recurrent, basic lesions of, *1963:* Dec., **1631–1634**
Gallie technique for repair, *1963:* Dec., **1655–1662**
intra-articular fracture in, *1963:* Dec., **1635–1645**
modified Bankart procedure for, *1963:* Dec., **1663–1670**
modified Magnuson procedure for, indications and technique, *1963:* Dec., **1647–1649**
results following, *1963:* Dec., **1651–1653**
operative treatment, results, *1963:* Dec., **1667–1670**
nerve injuries in, treatment, *1963:* Dec., **1685–1689**
posterior, diagnosis and treatment, *1963:* Dec., **1623–1630**
unreduced, old, treatment, *1963:* Dec., **1671–1678**
with tuberosity fracture, *1963:* Dec., **1615–1620**
fractures, clavicular, *1963:* Dec., **1555–1563**
epiphyseal, *1963:* Dec., **1573–1580**
nerve injuries in, treatment, *1963:* Dec., **1685–1689**
scapular, *1963:* Dec., **1565–1571**
frozen, *1963:* Dec., 1708–1713
treatment by manipulation and corticosteroids, indications, *1963:* Dec., **1715–1720**
joints. See *Acromioclavicular, Sternoclavicular, Glenohumeral.*
manipulation of, *1963:* Dec., **1715–1720**
musculoskeletal disorders causing cervicobrachial pain, differential diagnosis and treatment, *1963:* Dec., **1703–1714**
painful. See also *Pain, cervicobrachial.*
causes, *1963:* Oct., 1299
treatment, *1963:* Oct., **1299–1305**
periarthritis, degenerative, natural history, *1963:* Dec., 1515
prenatal development, *1963:* Dec., **1465–1470**
rotator cuff and its lesions. See *Rotator cuff.*
subluxation, posterior, locked, diagnosis and treatment, *1963:* Dec., **1621–1622**
recurrent, *1963:* Dec., 1627
surgery of, symposium on, *1963:* Dec., **1463–1726**
surgical anatomy and function, *1963:* Dec., **1471–1482, 1507–1515, 1541–1550**
tendinitis, cervicobrachial pain due to, *1963:* Dec., 1707
Shoulder-hand syndrome, as cause of painful shoulder, *1963:* Oct., 1301
Shunts, heart, left to right, *1964:* Dec., 1459
right to left, *1964:* Dec., 1463
portacaval, reduction of operative risks, *1962:* Dec., **1499–1508**
therapeutic, in esophageal varices in children, *1964:* Dec., 1425
Sialadenitis, facial nerve in surgical treatment of, *1963:* Aug., 976
Sickle cell anemia, splenectomy for, *1963:* Feb., 220
Sigmoid, diverticulitis, surgical treatment, current trends, *1962:* Oct., **1267–1276**
Silicone rubber, as subcutaneous implant material, *1963:* Oct., **1313–1321**
Sinus(es), branchial-cleft, embryologic development and surgical management, *1963:* Aug., **1033–1039**
maxillary, carcinoma, arterial infusion therapy, *1962:* June, 817
paranasal, carcinoma, arterial infusion chemotherapy, *1962:* April, 383
radiation therapy, *1962:* April, 410
pilonidal, *1962:* June, **787–792**; *1964:* June, **859–863**
thyroglossal duct, *1963:* Aug., **1023–1032**, Oct., 1291
tract, visualization with dyes, *1964:* Feb., 42
Valsalva's, fistula from, *1964:* Dec., 1461
Skeletal reconstruction of hand, *1964:* Aug., **995–1008**
Skiing, ankle injuries in, biomechanics of, as related to release bindings, *1963:* April, **363–365**
Skin, as material for reconstruction of cervical esophagus, *1963:* Aug., 1172
biopsy of, *1962:* April, 439
carcinoma, radiation therapy, *1962:* April, 409
contractures, in hand, correction, *1964:* Aug., 1076
flaps, necrosis of, after radical mastectomy, *1964:* April, 316
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 944
grafting, in burns, *1963:* Feb., 237, April, 508
injuries, in trauma of upper extremity, principles of repair, *1964:* Aug., 973
lesions, frozen section examination, *1962:* April, 452
slough, in head and neck surgery, *1964:* April, 305
Smith-Petersen, Marius N., *1963:* April, 324
Snake bite, *1963:* April, 544–549
Sodium, losses, abnormal patterns due to, *1964:* Feb., 136
in dehydration with hyponatremia, calculation, *1963:* June, 655
replacement of, *1964:* Feb., 129, 131
requirements, normal, *1964:* Feb., 128

Sodium hypochlorite in prevention of carcinoma at operation for intestinal cancer, *1962:* Oct., 1153, 1155
Soft tissue, tumors, frozen section examinations, *1962:* April, 451
wounds, of head and neck, management, *1963:* Aug., 919
Space travel problems of, *1963:* April, 334
Spasm, muscle, in hand, bracing in, *1964:* Aug., 1067
Spherocytosis, hereditary, splenectomy for, *1963:* Feb., 216
Sphincter, anal, anatomy, *1962:* Aug., 881
recent thoughts on, *1962:* Aug., 891
esophageal, and reflux, *1964:* Oct., **1201–1209**
Sphincterotomy, pancreatic, for pancreatitis, *1963:* Feb., 206
Spider bites, *1963:* April, 549–552
Spigelian hernia, *1963:* Oct., **1379–1384**
Spinal accessory nerve, injury, at operation, *1964:* April, 308
management, in neck dissection, *1964:* Oct., 1157
Spinal canal, metastatic tumors of, diagnosis and management, *1963:* Oct., **1349–1355**
Spinal cord, cervical, tumor of, as cause of painful shoulder, *1963:* Oct., 1303
tumors, radiation therapy, *1962:* April, 409
Spine, cervical, arthritis of, as cause of painful shoulder, *1963:* Oct., 1302, Dec., 1704
fractures and dislocations of, *1961:* Oct., **1357–1366**; *1963:* April, 359
sprain of, *1963:* April, 359
injuries, in sports, *1963:* April, **351–361**
Spleen, cysts as indication for splenectomy, *1962:* Dec., 1511
infection (abscess) as indication for splenectomy, *1962:* Dec., 1511
physiology and pathology, in relation to surgical diseases, *1963:* Feb., **213–227**
relation to stomach and primitive mesogastrium, surgical significance, *1964:* Oct., 1229, 1230
rupture of, *1963:* April, **445–455**
as indication for splenectomy, *1962:* Dec., 1510; *1963:* Feb., 222
supradiaphragmatic transplantation, in esophageal varices in children, *1964:* Dec., 1426
transplantation, *1962:* Oct., 1213–1216
tumors as indication for splenectomy, *1962:* Dec., 1511
Splenectomy, complications, *1962:* Dec., 1517
diagnostic studies for selection of patients, *1963:* Feb., 215
effects of, *1963:* Feb., 214
for secondary hypersplenism, *1962:* Dec., 1512
indications for, *1962:* Dec., 1509, 1510, 1514
Splenectomy (*Continued*)
indications for, in hematologic disease, *1963:* Feb., 216
in splenic trauma, *1963:* Feb., 222; April, 453
pancreatic complications, *1963:* June, 761
preoperative preparation, *1962:* Dec., 1515
rationale, *1963:* Feb., 213
technique and complications, *1962:* Dec., 1515; *1963:* Feb., **213–227**
reduction of mortality and morbidity, *1962:* Dec., **1509–1519**
Splenic artery, in etiology of portal hypertension, *1962:* Oct., 1339
Splenic pulp manometry in upper gastrointestinal hemorrhage, *1962:* Oct., 1093
Splenoportography, in preoperative and nonsurgical patients, *1964:* Feb., 45–52
in upper gastrointestinal hemorrhage, *1962:* Oct., 1093
percutaneous, technique, *1964:* Feb., 47
Splenorenal shunt in esophageal varices in children, *1964:* Dec., 1425
Splints, for spastic hand, *1964:* Aug., 1069
immobilization of mandible with, for bone grafting in edentulous mouth, *1963:* Aug., 992
in hand surgery, *1964:* Feb., 265, Aug., 941
Sponges, surgical, preventing loss of, *1964:* Feb., 41
retained, x-ray visualization of, *1964:* Feb., 40, 41
Sports, spinal injuries in, *1963:* April, **351–361**
Sprains of cervical spine, *1963:* April, 359
Sprue, nontropical, hypoproteinemia and, *1962:* Oct., 1131
Staphylococcal enterocolitis, postoperative, *1963:* June, 875; *1964:* April, 561–563
in abdominoperineal resection, *1964:* April, 454
in colon surgery, *1964:* April, 409
Staphylococcal infections, postoperative, *1963:* June, 862, 866
State's operation in Hirschprung's disease, *1964:* Dec., 1496
Stein-Leventhal syndrome. See *Ovary, polycystic disease of.*
Stellate ganglion block in arm and hand surgery, *1964:* Aug., 922
Stenosis. See name of organ.
Sterility. See *Infertility.*
Sterilization, hysterectomy for, *1962:* Aug., 935
tubal, one more method of, *1962:* Aug., **1005–1012**
review of methods, *1962:* Aug., 1007
Sternoclavicular joint, injuries in athletics, *1963:* Dec., **1551–1554**
surgical anatomy, *1963:* Dec., **1546–1550**

Sternocleidomastoid muscle, management, in neck dissection, *1964:* Oct., 1115
Sternomastoid region of neck, *1964:* Oct., 1154, 1155
Steroid. See also *Corticosteroids.*
Steroid replacement, following hypophysectomy, *1962:* Dec., 1571
"Steroid whitewash" in jaundice, *1964:* June, 703
Steroidal examinations in androgenism in female, *1962:* Aug., 969
Stiff neck, *1963:* Dec., 1704
Stiff shoulder, *1963:* Dec., 1708–1713, **1715–1720**
Stomach, aberrant pancreatic rests in, *1964:* June, 615
as material for reconstruction of cervical esophagus, *1963:* Aug., 1174, 1178
biopsy, *1964:* June, 619
carcinoma, chemotherapy, *1962:* April, 363, June, 813, Oct., 1150
hemorrhage from, intragastric cooling in, *1962:* Oct., 1177
cardial portion, carcinoma, *1962:* Dec., **1397–1405**
decompression, in gastrointestinal surgery, *1962:* Feb., **231–239**
methods, *1964:* Feb., 274
dilatation, following esophagogastrectomy, *1964:* April, 365
disease, diagnosis with fiberscope, *1962:* Oct., 1084
hypoproteinemia in, *1962:* Oct., 1126
diverticula, *1964:* June, 616
fistula from, *1962:* Oct., 1318
treatment, *1962:* Oct., 1316
foreign bodies, in children, *1963:* June, 693
hiatal hernia, *1964:* June, 615
hour-glass deformity, *1964:* June, 617
injury to, as complication of splenectomy, *1962:* Dec., 1518
lesions, as seen by gastroenterologist, differential diagnosis, *1964:* June, **611–621**
bleeding, *1964:* June, 618
lymphatic vessels and nodes, *1964:* Oct., 1228
motility and reservoir function, as factors in ulcer management, *1962:* Feb., 191
mucosa, prolapsed, *1964:* June, 612
obstruction, postoperative, *1963:* June, 773
operations on, for pancreatitis, *1963:* Feb., 203
polyps, *1964:* June, 615
remnant, delayed emptying, *1964:* April, 376
resection. See *Gastrectomy.*
retention, postoperative, *1963:* June, 771
secretion, physiology of, as it applies to peptic ulcer, *1962:* Feb., **185–201**
surgery of, complications, *1963:* June, **765–774**; *1964:* April, **371–378**
Stomach (*Continued*)
surgery of, endoscopy after, using fiberscope, *1962:* Oct., 1087
in aged, current concepts, *1963:* Feb., **261–275**
tumors, frozen section examination, *1962:* April, 451
solitary and multiple, *1964:* June, 615
ulcer. See also *Peptic ulcer.*
hemorrhage from, intragastric cooling in, *1962:* Oct., 1176
management, problems in, *1964:* June, **623–630**
physiology of gastric secretion as it applies to, *1962:* Feb., **185–201**
posterior perforating, *1964:* June, 617
upper, carcinoma of, surgical management, embryologic approach, *1964:* Oct., **1227–1237**
vagal innervation, variations in, *1964:* Oct., 1240
whole, transplants of, *1962:* Oct., 1206–1213
Stomal ulcer, postgastrectomy, *1964:* June, 641
Stools, in jaundice, *1964:* Feb., 19
lienteric, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445, 1446
Strangulation obstruction of intestines, *1962:* Oct., 1298
physiology of, *1962:* Feb., 219–229
Strassman operation for double uterus, *1962:* June, 756
Streptomycin, in management of cavity following pelvic exenteration, *1962:* Dec., 1590
in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1485
Stress ulcer, bleeding from, intragastric cooling in, *1962:* Oct., 1176
Stricture, esophageal, *1964:* June, 579, 580
of common duct, etiology, prevention and surgical treatment, *1962:* Oct., 1329
traumatic, selection of operation for, *1964:* June, **717–729**
two-stage Y tube repairs, *1964:* June, 721–726
of uterine cervix, *1962:* Aug., **1025–1031**
Stroke, echoencephalography in, *1964:* Feb., 57
Struma lymphomatosa, *1962:* June, **647–653**
Struma ovarii, *1964:* Oct., 1163
Stuart-Prower factor deficiency, *1964:* Feb., 188
Subacromial bursa, *1963:* Dec., 1480
Subacromial region, anatomy, *1963:* Dec., 1509
Subcutaneous infection of hand, *1964:* Aug., 986, 987, 988
Subdiaphragmatic abscess, postoperative, *1964:* April, 557–561
Subhepatic accumulations following biliary tract surgery, *1963:* June, 747; *1964:* April, 432, 438, 439

Sublimis tenodesis of proximal interphalangeal joint, technique, *1964:* Aug., 1067
Subluxation. See *Dislocation.*
Subphrenic abscess, after appendectomy, *1964:* April, 425
after colon surgery, *1964:* April, 407
Substernal goiter, *1964:* Oct., 1163
Succinylcholine as relaxant in pediatrics, *1964:* Dec., 1600
Suction tip, metallic, for intestinal decompression, *1964:* Feb., 277
Suction-drainage, fluids and electrolytes in, *1962:* Feb., 46
Suctioning, nasotracheal, postoperative, *1964:* April, 542
Supraclavicular region of neck, *1964:* Oct., 1158, 1159
Suprarenal vein, anomalies, *1964:* Oct., 1322, 1323
Surgery, ancillary procedures in, symposium on, *1964:* Feb., **1–298**
clinical advances in, *1963:* Feb., **1–308**
complications of, and their treatment, symposium on, *1963:* June, **575–904**
gynecologic, *1963:* June, **789–810**
immediate, symposium on, *1964:* April, **303–564**
in infants and children, *1963:* June, **685–702**
urologic, *1963:* June, **811–826**
gastrointestinal, symposium on, *1964:* June, **575–872**. See also *Gastrointestinal tract, surgery.*
general, hypothermia in, *1962:* Feb., 73
of endocrine glands, symposium on, *1962:* June, **567–822**
of shoulder region, symposium on, *1963:* Dec., **1463–1726**
pediatric, symposium on, *1964:* Dec., **1421–1623**
private clinic, in U.S.A., symposium on, *1963:* Oct., **1201–1431**
regional. See name of part, as *Hand, Head and neck,* etc.
Surgical anatomy, symposium on, *1964:* Oct., **1143–1402**
Surgical care, lung physiotherapy as adjunct to, *1964:* Feb., **219–226**
Surgical lesions of rectum and colon in Hawaii, *1963:* Oct., **1397–1414**
Surgical patient, bleeding tendencies in, *1964:* Feb., **185–194**
blood volume determinations in, importance, *1963:* Feb., **187–199**
malnutrition in, correction of, *1964:* Feb., **141–154**
oliguric, *1964:* Feb., **291–298**
vascular evaluation in, *1964:* Feb., **25–33**
Surital anesthesia, *1963:* June, 648
Suspension apparatus, Killian-Lynch, for direct peroral intralaryngeal instrumentation, *1963:* Aug., 938
in vocal-cord surgery, *1963:* Aug., 1081, 1082
Suture line, prevention of cancer at, at operation, *1962:* Oct., 1152
Suturing techniques, effect on healing, *1962:* Feb., 30
Swan-neck deformity of finger, in cerebral palsy, treatment, *1964:* Aug., 1065, 1066
in rheumatoid arthritis, *1964:* Aug., 1082, 1084, 1088
Swenson operation for Hirschsprung's disease, *1964:* Dec., 1499
Duhamel modification, *1964:* Dec., 1500
Sympathectomy, for essential hypertension, physiologic principles, *1962:* Feb., 100
in frostbite, *1963:* April, 530
lumbodorsal, for pancreatitis, *1963:* Feb., 204
response to, and limb salvage angioplasty, *1963:* Feb., 297
Sympathetic blocks in surgery, *1964:* Feb., **81–89**
Sympathicoblastoma in children, *1964:* Dec., **1469–1481**
Sympathomimetic amines in hypotension, *1964:* Feb., 161, 162
Syncope, vasopressor drugs in, *1964:* Feb., 165
Synovial joints, development, *1963:* Dec., 1465
Szilagyi incision, *1963:* Feb., 301

TACHYPNEA, alphaprodine in, *1963:* Oct., 1241
Talatrol for acidosis therapy in surgery, *1963:* Feb., **179–186**
Talc poudrage, in pleural effusion due to cancer, *1962:* Dec., **1521–1526**
Tapping to mobilize lung secretions, *1964:* Feb., 223
Teeth, complications, operative, *1964:* April, 307
Teflon prostheses, for total aortic valve replacement, *1962:* Dec., 1537
TEM in cancer, *1962:* April, 354, 356, June, 810
Temperature, body, postanesthetic, *1964:* April, 498
monitoring in children, *1964:* Dec., 1606
regulation in surgery of children, *1963:* June, 687
Tendinitis of shoulder, cervicobrachial pain due to, *1963:* Dec., 1707
Tendon(s), conjoined, *1964:* Oct., 1310
flexor, of hand, *1964:* Oct., 1362
primary and secondary repair, practical considerations, *1964:* Aug., **951–970**
repair in hand injuries, basic principles, *1964:* Aug., 974
sheaths, of hand, infections of, *1964:* Aug., 989
transfer, for paralyzed hand, principles, *1964:* Aug., 1049

Tenodesis, stabilization of wrist by, *1964:* Aug., 1050, 1055
sublimis, of proximal interphalangeal joint, technique, *1964:* Aug., 1067
Tenosynovitis, bicipital, as cause of painful shoulder, *1963:* Oct., 1301
Tent, air oxygen aerosol mist, pediatric, *1964:* Dec., 1613, 1616, 1617
Teratocarcinoma, *1962:* June, 783, 784
Test(s), biochemical, for jaundice, *1964:* June, 694–699
functional, of liver, as aids in evaluation of surgical patient, *1964:* Feb., **13–23**
laboratory, costs, comparison with hospital costs, *1964:* Feb., 4, 5
established, tenacious hold of, *1964:* Feb., 5
factors in selection and application, *1964:* Feb., 6
in diagnosis of jaundice, *1964:* Feb., 17–21
in surgery, use and abuse, *1964:* Feb., **3–11**
newer, *1964:* Feb., 11
sequence of, *1964:* Feb., 7
timing of, *1964:* Feb., 9
tourniquet, for varicose veins, *1964:* Oct., 1376, 1389
Testicular feminization syndrome, *1962:* June, 740
Testis(es), carcinoma, chemotherapy, *1962:* April, 362
radiation therapy, *1962:* April, 414
ectopic, *1964:* Dec., 1572
injuries, operative, *1963:* June, 825
lymphatics of, *1962:* June, 779, 780
retractile, *1964:* Dec., 1571
surgical diseases, diagnosis, *1962:* June, 583, 586
landmarks in history of, *1962:* June, 575
tumors, surgery of, *1962:* June, **779–786**
undescended, bilateral, *1964:* Dec., 1580
diagnosis, *1964:* Dec., 1572
embryology, *1964:* Dec., 1572
hormone treatment, *1964:* Dec., 1576
intra-abdominal, *1964:* Dec., 1581
management of, *1964:* Dec., **1571–1582**
pathologic anatomy, *1964:* Dec., 1573
surgical treatment, age for, *1964:* Dec., 1575
indications, *1964:* Dec., 1574
technique, *1964:* Dec., 1577–1580
tumor in, *1962:* June, 784
Testosterone, effect on wound healing, *1962:* Feb., 27
Tetanus, treatment with hyperbaric oxygen, *1964:* Feb., 109
Tetany, diagnosis and treatment, *1962:* Feb., 174
following thyroidectomy, *1962:* June, 674, 676
Tetralogy of Fallot, acyanotic, surgery of, *1963:* Feb., 142
Tetralogy of Fallot (*Continued*)
surgery of, *1963:* Feb., 137
hyperbaric oxygen in, *1964:* Dec., 1589
Thalassemia major, splenectomy for, *1963:* Feb., 220
THAM, in shock states, *1963:* April, 484
uses, doses, pharmacology and hazards, *1963:* June, **577–583**
Thiamylal anesthesia, *1963:* June, 648
Thiopental anesthesia, *1963:* June, 648
Thio-TEPA, arterial infusion therapy, *1963:* Feb., 32
effect on wound healing, *1962:* Feb., 26
in cancer, *1962:* April, 354, 355, June, 810
of breast, *1962:* Aug., 870
with radical mastectomy, *1962:* April, 498
Thoracic. See also *Chest.*
Thoracic duct, fistula, postoperative, *1964:* April, 310
injury, in esophageal surgery, *1964:* April, 353
Thoracotomy, diagnosis of chest diseases by, *1963:* Oct., **1293–1297**
emergency, in cardiac arrest, *1963:* June, 708
exploratory, in carcinoma of lung, *1963:* Feb., 112
for esophageal disease, immediate morbidity after, *1964:* April, **349–370**
for heart disease, complications of, immediate, *1964:* April, **335–347**
for pulmonary disease, complications of, immediate, *1964:* April, **325–333**
with partial pleurectomy, *1963:* Feb., 103
Thorax. See *Chest.*
Thrombasthenia, *1964:* Feb., 187
Thrombectomy and ligation of superficial femoral vein, *1964:* April, 419, 420
Thrombocytopenia, *1964:* Feb., 187
idiopathic, primary, as indication for splenectomy, *1962:* Dec., 1512
Thrombocytopenic purpura, splenectomy for, *1963:* Feb., 216, 222
Thrombo-embolism, anticoagulants in, comparative value, *1964:* Feb., **195–209**
prevention, by early postoperative activity, *1964:* Feb., **211–217**
treatment, plan for, *1964:* Feb., 207
Thrombophlebitis, acute, sympathetic block for, *1964:* Feb., 85
postoperative, *1964:* April, 515
in abdominal aortic surgery, *1964:* April, 476
in abdominoperineal resection, *1964:* April, 453
in appendectomy, *1964:* April, 413, 415
superiority of heparin over prothrombin depressants in, *1964:* Feb., **195–209**

Thrombosis, arterial, postoperative, *1964:* April, 517
in abdominal aortic surgery, *1964:* April, 471
coronary, after appendectomy, *1964:* April, 413
of prosthesis in abdominal aortic surgery, *1964:* April, 471
postoperative, *1964:* April, 515
venous, after appendectomy, *1964:* April, 414
idiopathic, and cancer, *1962:* April, 319
Thrombotic complications, of splenectomy, *1962:* Dec., 1518
Thumb, absence, management, *1964:* Aug., 1098
adduction loss, evaluation of, *1964:* Aug., 937
amputations, elective, considerations in, *1964:* Aug., 1118
functional evaluation in, *1964:* Aug., 927
anatomy, surgical, *1964:* Oct., 1364
ankylosis, functional evaluation in, *1964:* Aug., 928
avulsion injury, reconstruction, *1964:* Oct., 1355
deformities, in rheumatoid arthritis, *1964:* Aug., 1085, 1089
flexion loss, evaluation of, *1964:* Aug., 938
flexor tendon injuries, primary and secondary repair, *1964:* Aug., 959, 962
floating, *1964:* Aug., 1094, 1099
hypoplasia, management, *1964:* Aug., 1099
mutilating injuries, treatment, *1964:* Aug., 1110, 1111
opposition loss, evaluation of, *1964:* Aug., 936
restoration of, *1964:* Aug., 1051
paralytic deformities, restoration of function, *1964:* Aug., 1050
Thumb-in-palm deformity in cerebral palsy, treatment, *1964:* Aug., 1063
Thymectomy, for hyperparathyroidism, *1962:* June, 630
for myasthenia gravis, *1962:* June, 628
Thymol turbidity in jaundice, *1964:* Feb., 18, 19
Thymoma, *1962:* June, 626
intrathoracic goiter and, differentiation, *1962:* June, 680, 681
Thymus gland, carcinoma, systemic effects, *1962:* April, 306
embryology and surgical anatomy, *1962:* June, 623
surgery of, *1962:* June, **623–632**
tumors, *1962:* June, 626
surgical treatment, *1962:* June, 627
Thyroglossal duct, *1964:* Oct., 1162
cysts and sinuses, *1963:* Aug., **1023–1032**, Oct., 1291; *1964:* Oct., 1162, 1170
Thyroid block for thyroidectomy, *1963:* Aug., 936
Thyroid gland, adenoma, benign metastasizing, *1964:* Oct., 1163
anatomy, surgical, *1964:* Oct., **1161–1173**
blood and lymphatic supply, *1964:* Oct., 1164
carcinoma, *1962:* Feb., 165, April, **481–492**, June, **687–691**
aberrant, lateral, *1964:* Oct., 1163
implications of typical course, *1963:* Aug., 1102
radiation therapy, *1962:* April, 412, 489
suppressive therapy, *1962:* April, 490
surgical treatment, *1962:* April, 481, June, 689; *1963:* Aug., **1107–1114**
diseases, diagnosis and treatment, physiologic principles, *1962:* Feb., **151–169**
embryology, surgical aspects, *1964:* Oct., 1162
examination, *1962:* June, 614
exogenous, in clinical appraisal of nodular goiters, *1963:* Aug., 1101
frozen section, *1962:* April, 450; *1963:* Aug., 947
function, tests of, *1962:* Feb., 153, June, 644, 645
hormones, *1962:* June, 640
lingual, *1964:* Oct., 1170
nerve supply, *1964:* Oct., 1166
physiology, newer concepts, *1962:* June, **639–646**
normal, *1962:* Feb., 151
relationships, *1962:* June, 643
resection for carcinoma, extent of, *1963:* Aug., 1107
surgical diseases, diagnosis, *1962:* June, 583, 585
landmarks in history of, *1962:* June, 571
tracheotomy in, *1962:* June, **693–696**
tumors, *1963:* Oct., 1284
physiology of, *1962:* June, 646
Thyroid nodule, evaluation of, *1962:* June, **655–665**
scintigram in, *1962:* June, 657–664
management of, *1963:* Oct., **1363–1372**
Thyroid tissue, ectopic, *1964:* Oct., 1162, 1170
Thyroidea ima artery, *1964:* Oct., 1164, 1165
Thyroidectomy, anesthesia for, *1963:* Aug., 936
for primary hyperthyroidism, complications, *1962:* Feb., 161
results, *1962:* June, **673–677**
Thyroiditis, associated with thyroid nodule, *1963:* Oct., 1369
diagnosis and treatment, physiologic principles, *1962:* Feb., 162

Thyroiditis (*Continued*)
Hashimoto's, *1962:* June, **647–653**
diagnostic tests, *1962:* June, 649
Thyroid-stimulating hormone, *1962:* June, 642
Thyrotomy, for laryngeal surgery, anesthetic techniques, *1963:* Aug., 939
Thyrotoxicosis. See also *Hyperthyroidism.*
diagnosis and treatment, physiologic principles, *1962:* Feb., 157
Tibia, fractures, nonunion and malunion in, *1963:* April, 346
Tissues, compatibility, *1962:* Feb., 57
redundant, facial and cervical, surgical removal, *1963:* Aug., **963–972**
transplantation, surgical physiology of, *1962:* Feb., **55–67**
Tongue, bites of, self-inflicted, *1963:* April, 539
carcinoma, arterial infusion chemotherapy, *1962:* April, 383
cure without major deformity and morbidity by use of radon or resection and neck dissection, *1962:* Dec., **1605–1617**
full jaw-neck operation for, *1962:* Dec., 1613
neck dissection for, *1962:* Dec., 1607
radiation therapy, *1962:* April, 411
radon implantation, *1962:* Dec., 1606
Tonsil, carcinoma, radiation therapy, *1962:* April, 411
Tourniquet, tests, for varicose veins, *1964:* Oct., 1376, 1389
use, in hand surgery, *1964:* Feb., 263
Trachea, aspiration, postoperative, *1963:* June, 629
injury, in esophageal surgery, *1964:* April, 354
Trachelorrhaphy, cervical stenosis following, *1962:* Aug., 1026
Tracheobronchial tree, anatomy, *1964:* Oct., 1193, 1196
Tracheoesophageal fistula, repair of, technique by retroperitoneal approach, *1964:* Dec., 1436
transpleural vs. retropleural approach, *1964:* Dec., **1433–1439**
right colon transplant in, *1963:* Feb., **11–30**
surgical complications, in children, *1963:* June, 689
Tracheostomy, care of, *1964:* Feb., 235
in craniotomy, *1962:* Dec., 1570
in esophageal surgery, *1964:* April, 358
in postoperative ventilatory failure, *1963:* June, 632
postoperative, *1964:* April, 544
tube, Mörch, *1964:* Feb., 233
Tracheotomy, after thyroidectomy, *1962:* June, 675
in surgical treatment of thyroid disease, *1962:* June, **693–696**
Tranquilizers, preoperative, in children, *1964:* Dec., 1597
Transaminase, serum, in hepatobiliary disease, *1962:* Feb., 254
in jaundice, *1964:* Feb., 18, 20, June, 696
in pancreatic disease, *1962:* Feb., 254, 261
Transfusions, after esophageal surgery, *1964:* April, 360
after heart surgery, *1964:* April, 345
complications of, *1963:* June, **677–684**
hepatitis due to, *1963:* June, 682
in head and neck surgery, *1963:* Aug., 933
in hemorrhagic disease in surgical patient, *1964:* Feb., 192
in repair of aneurysm of abdominal aorta, *1962:* Dec., 1556
incompatible, jaundice due to, in biliary tract surgery, *1964:* April, 443
massive, complications, *1963:* June, 682
multiple, hemorrhage following, *1963:* June, 722
in aged, prophylactic use of gamma globulin to reduce risk of serum hepatitis, *1963:* Feb., 271
preoperative, in esophageal disease, *1964:* April, 351
reactions, *1963:* June, 679; *1964:* April, 520–522
acute oliguria due to, treatment, *1963:* April, 557
Transplantation, gastrointestinal, *1962:* Oct., **1191–1217**
of bone marrow, *1963:* Feb., 172
of kidney, *1963:* Feb., 169
pelvic placement, *1964:* Oct., 1342–1344
of parathyroid tissue, *1963:* Feb., 173
of tissues and organs, future of, *1963:* April, 334
progress and problems in, *1963:* Feb., **163–177**
surgical physiology of, *1962:* Feb., **55–67**
Transposition, of aorta, partial, *1964:* Dec., 1463
of great vessels, surgery of, hyperbaric oxygen in, *1964:* Dec., 1589
Transversalis fascia, *1964:* Oct., 1306
Transversus abdominis aponeurosis, *1964:* Oct., 1310
Trauma. See also *Injuries.*
acute circulatory failure in, management, *1963:* April, **469–495**
acute tubular necrosis after, *1963:* April, **555–568**
centers, *1963:* April, 333
effect on hepatic metastases in cancer, *1962:* April, 338
future of, *1963:* April, **329–336**
management, symposium on, *1963:* April, **315–568**
nutrition in, *1962:* Feb., 85
of head and neck, treatment of, *1963:* Aug., **917–927**

Trauma (*Continued*)
past and present of, *1963:* April, **317–327**
perforation of alimentary tract due to, prevention of peritonitis, *1962:* Dec., 1484
specialists in, *1963:* April, 333
surgical physiology of, *1962:* Feb., **79–80**
wound healing and, *1962:* Feb., 88
Trendelenburg test for varicose veins, method and interpretation, *1964:* Oct., 1376, 1389
Triangle, digastric, of neck, *1964:* Oct., 1152, 1153
posterior, of neck, *1964:* Oct., 1158, 1159
Trichlorethylene anesthesia, *1963:* June, 646
Tricuspid atresia, surgery of, hyperbaric oxygen in, *1964:* Dec., 1589
Triethylene melamine, effect on wound healing, *1962:* Feb., 26
in cancer, *1962:* April, 354, 356, June, 810
Triethylene thiophosphoramide in cancer, *1962:* April, 354, 355, June, 810, Aug., 870
Trilene anesthesia, *1963:* June, 646
Tris buffer, uses, doses, pharmacology and hazards, *1963:* June, **577–583**
Trocar, intestinal decompression with, *1964:* Feb., 277
Trochanteric decubitus ulcers, surgical treatment, *1963:* Feb., 253, 257
Tromethamine for acidosis therapy in surgery, *1963:* Feb., **179–186**
Trousseau test, *1962:* Feb., 175
T-tube, common duct repair over, in stricture, *1962:* Oct., 1332
Tubal obstruction as cause of infertility, treatment, *1962:* June, 757
Tubal ster.lization, one more method of, *1962:* Aug., **1005–1012**
Tube feeding, *1964:* Feb., 148
Tube gastrostomy for postoperative decompression, *1963:* Oct., 1243–1252
Tube(s), gastric, for decompression, *1964:* Feb., 274
intestinal, for decompression, *1964:* Feb., 276
in diagnosis of upper gastrointestinal bleeding, *1962:* Oct., 1094
nasogastric, complications, *1963:* Oct., 1244
for decompression, *1964:* Feb., 274, 276
rectal, for decompression, *1964:* Feb., 279
Tuberculosis, cecal, in Hawaii, *1963:* Oct., 1409
duodenal, *1964:* June, 673, 675
Tuberosity fracture with dislocation of shoulder, *1963:* Dec., **1615–1620**
Tubular necrosis, acute, diagnosis and management, *1963:* April, **555–568**
mannitol in prevention, *1963:* June, 584
Tumor(s), border of, identification by fresh-frozen sections, *1963:* Aug., 945
feminizing, *1962:* April, 556
genetics in, *1962:* April, **289–303**
insulin-secreting, of pancreas, surgical treatment, progress in, *1963:* Feb., **79–97**
of organs. See under name of organ.
parapharyngeal, *1963:* Aug., **1041–1047**
solid, chemotherapy, advances in, *1962:* June, **807–822**
viruses and, *1962:* April, **273–287**
Twinning, bicornuate uterus and, *1962:* Aug., **1049–1062**

ULCER(S), benign, of cecum, in Hawaii, *1963:* Oct., 1408
decubitus, treatment, advances in, *1963:* Feb., **245–260**
duodenal. See *Duodenum, ulcer* and *Peptic ulcer.*
gastric. See *Stomach, ulcer.*
gastrojejunal, gastrojejunocolic fistula associated with, *1962:* Dec., 1443
leg, *1963:* Oct., **1307–1311**
ischemic, *1963:* Oct., **1263–1270**, 1308, 1311
marginal, after partial or subtotal gastrectomy, *1964:* June, 641
treatment, *1964:* June, 644
peptic. See *Peptic ulcer, Duodenum, ulcer* and *Stomach, ulcer.*
varicose, treatment, *1964:* Oct., 1398
Ulceration, marginal or jejunal, following subtotal gastrectomy for ulcer, *1962:* Dec., 1428
Ulcerative colitis. See *Colitis, ulcerative.*
Ulnar nerve, deep motor branch, injury, *1964:* Aug., 1034
injury, *1964:* Oct., 1358
Ultimobranchial body, *1964:* Oct., 1162
Ultrasonic aerosol generator, *1964:* Dec., 1613–1615
nomogram for use with, *1964:* Dec., 1614
Ultrasound, use, in diagnosis of intracranial lesions, *1964:* Feb., **55–64**
Uracil mustard in carcinoma of colon and rectum, *1962:* Oct., 1161
Urea as diuretic, mannitol vs., *1963:* June, 587
Ureter, injuries, operative, *1963:* June, 795, 817
pelvic, anatomy, surgical, *1964:* Oct., 1331
Uretero-ileal-cutaneous anastomosis, bilateral, *1964:* June, 853
Ureterosigmoidostomy, variations, *1964:* June, 850
Ureterovesical junction, *1964:* Oct., 1333
Urethra, reconstruction, in hypospadias repair, *1964:* Dec., 1558
surgical complications arising in, *1963:* June, 824, 825

Urinary tract, complications, after abdominoperineal resection, *1964:* April, 457
infections, postoperative, *1963:* June, 875
in pelvic surgery, *1963:* June, 790
Urine, diversion of, in pelvic exenteration, *1962:* Dec., 1586
operations for, *1964:* June, 849
electrolytes in, normal, *1962:* Feb., 40
incontinence, physiology, newer thoughts on, *1962:* Aug., 889
retention, postoperative, *1963:* June, 821
Urobilinogen, urinary, in differential diagnosis of jaundice, *1964:* Feb., 18
Urogenital diaphragm, anatomy of, in female, *1962:* Aug., 888
in male, *1962:* Aug., 884
Urography, excretory, in renal hypertension, *1962:* Feb., 113
Urologic complications of surgery, *1963:* June, **811–826**
Uterine artery, surgical anatomy, *1964:* Oct., 1338
Uterine cavity, shape of, as shown by hysterograms, *1962:* Aug., 1049, 1050
Uterotubogram in infertility, *1962:* June, 752
Uterus, arcuate, formula to define, *1962:* Aug., 1049
bicornuate, architecture of, *1962:* Aug., 1052
surgery on, *1962:* Aug., 1052
twinning and, *1962:* Aug. **1049–1062**
carcinoma, polyps as precursor, *1962:* Aug., 1019
radiation therapy, *1962:* April, 414
surgical treatment, *1962:* April, **531–544**
cervix. See *Cervix uteri.*
dilatation and curettage, in endometrial polyps, *1962:* Aug., 1017
infertility following, *1962:* June, 754
paracervical block for, *1962:* Aug., 930
stricture following, *1962:* Aug., 1026
double, and infertility, *1962:* June, 755
fibroids, and infertility, *1962:* June, 756
polyps, clinical aspects, *1962:* Aug., **1013–1023**
prolapse, treatment in aged women, *1962:* Aug., **1033–1047**
retroversion, and infertility, *1962:* June, 757

VAGAL innervation of abdominal viscera, *1964:* Oct., 1241
Vagal reinnervation, of abdominal viscera, basic pattern, *1964:* Oct., 1240
constants in, *1964:* Oct., 1245
variations in position, *1964:* Oct., 1240–1245
prevention of, in selective gastric vagotomy, *1962:* Dec., 1436
Vagina, absence of, *1962:* June, 736
Vaginal vault, abscess, postoperative, *1963:* June, 808
Vagotomy, for pancreatitis, *1963:* Feb., 204
for peptic ulcer, physiologic principles, *1962:* Feb., 189
gastric, selective, physiologic basis and technique, *1962:* Dec., **1431–1441**
technique, *1964:* Oct., 1248
importance of adequate field of dissection, *1964:* Oct., 1248
in duodenal ulcer, *1964:* June, 653, 654, 655
in marginal ulcer, *1964:* June, 649, 650
incomplete, problem of, new anatomic approach to, *1964:* Oct., **1239–1252**
Vagus nerve(s), injury, at operation, *1964:* April, 309
multiple, *1964:* Oct., 1240, 1243, 1244
Vaporizers, new types, *1964:* Dec., 1602
Varices, esophageal, bleeding, diagnosis, *1961:* Aug., **883–895**; *1962:* Dec., 1503
emergency portacaval shunt for, *1962:* Dec., 1502
management, *1962:* Dec., 1504; *1964:* June, 682
in children, surgical treatment, *1964:* Dec., **1423–1431**
indications for, *1964:* Dec., 1424
intragastric cooling in, *1962:* Oct., 1175
Varicocele, pelvic, *1962:* Aug., **975–983**
Varicose veins, *1964:* Oct., **1369–1381, 1383–1402**
anatomy, surgical, *1964:* Oct., 1369–1376, 1384–1389
examination of patient, *1963:* Oct., 1386
injection treatment, *1963:* Oct., 1387
ligation and stripping operation, *1964:* Oct., 1378, 1391
pelvic, diagnosis and treatment, *1962:* Aug., **975–983**
postoperative care, *1964:* Oct., 1400
tests and their interpretation, *1964:* Oct., 1376, 1389
treatment, *1963:* Oct., **1385–1391**; *1964:* Oct., 1378, 1391
Vas deferens, injuries, operative, *1963:* June, 825
Vascular causes of cervicobrachial pain, *1963:* Dec., **1697–1701**
Vascular depression, peripheral, as cause of hypotension, *1964:* Feb., 159
Vascular diseases, of kidney, hypertension in, *1962:* Feb., **109–130**
Vascular evaluation, importance, in surgical patients, *1964:* Feb., **25–33**
Vascular injuries in esophageal surgery, *1964:* April, 355
Vasodilatation, sympathetic block for, *1964:* Feb., 86

Vasopressin, in control of bleeding esophageal varices, *1962:* Dec., 1504
Vasopressors, in acute circulatory failure, *1963:* April, 484
in bacterial peritonitis, *1962:* Oct., 1110
in shock, *1963:* June, 603
use and abuse, *1964:* Feb., **155–171**
Veins, varicose. See *Varicose veins.*
Vena cava, anomalous drainage into left atrium, *1964:* Dec., 1463
inferior, injuries of, penetrating, *1963:* April, **387–400**
ligation of, preventive, *1964:* April, 416, 417, 418
Venous pressure, central, mechanics and interpretation, *1963:* April, 475
significance of, *1963:* April, 471
Venous stasis, surgical anatomy in treatment of, *1964:* Oct., **1369–1381**, **1383–1402**
Ventilation, assisted, care of patient on, *1964:* Feb., 235
indications for use, *1964:* Feb., 232
technique, *1964:* Feb., 233
functional tests, preoperative, *1963:* June, 625
insufficiency, postoperative, *1963:* June, **619–636**; *1964:* April, 537
in lung surgery, *1963:* June, 732
mechanical, postoperative, *1964:* April, 546
problems, in heart surgery, *1964:* April, 342
postoperative, *1964:* April, 493
Ventilators for use with infants and children, *1964:* Dec., 1604
Ventilatory reserve, *1963:* June, 619
preoperative evaluation, *1963:* June, 623
Ventilatory therapy, during operation, *1963:* June, 628
postoperative, *1963:* June, 630, 632
preoperative, *1963:* June, 626
Ventricle, right, double outlet, *1964:* Dec., 1463
septal defects, variations in, *1964:* Dec., 1459
Vernet's syndrome. See *Jugular foramen syndrome.*
Vertebra(e). See *Spine.*
Vertebral artery, angiography, *1964:* Feb., 66
insufficiency, diagnosis, in surgical patient, *1964:* Feb., 26, 27
Vertebral steal syndrome, *1964:* Feb., 26
Vesicoureteral reflux, causes, *1964:* Dec., 1545
Vesicovaginal fistula, postoperative, *1963:* June, 820
in pelvic surgery, *1963:* June, 793
Vestibular bulbs, *1962:* Aug., 887
Vibrations in lung physiotherapy, *1964:* Feb., 224
Vinblastine in cancer, *1962:* June, 810, 814
Vinethene anesthesia, *1963:* June, 646
Virilism, *1962:* April, 555
diagnostic approach, *1962:* Aug., **961–974**
Virus(es), and cancer, *1962:* April, **273–287**
Visceral pain, physiology of, *1962:* Feb., 243
sympathetic block for, *1964:* Feb., 85
Vitamins, in malnutrition, *1964:* Feb., 151
in wound healing, *1962:* Feb., 20
requirements, in gastrointestinal surgery, *1962:* Oct., 1136
Vocal cords, carcinoma, transoral approach, *1963:* Aug., 1088
surgery of, *1963:* Aug., **1081–1096**
Voiding cystourethrography in bladder neck obstruction, *1964:* Dec., 1541, 1542, 1546–1549
Voiding pressure, measuring, in bladder neck contracture, *1964:* Dec., 1541, 1542–1544
Volemetron, *1963:* June, 601, 602
Volkmann's ischemic paralysis, *1964:* Aug., 1043
Volvulus, of sigmoid, in Hawaii, *1963:* Oct., 1408
postoperative, *1963:* June, 844
Vomiting, fecal, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
postanesthetic, *1964:* April, 499
Vomitus, aspiration of, during hernia repair, *1964:* April, 466
protection against, *1964:* April, 540
Vulva, anatomy, *1962:* Aug., 885

WATER, body, losses of, abnormal patterns due to, *1964:* Feb., 136
normal, *1962:* Feb., 37
replacement, *1964:* Feb., 130
requirements, in gastrointestinal surgery, *1962:* Oct., 1135
normal, *1964:* Feb., 126
Webs, esophageal, *1964:* June, 578
Weight loss, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
in cancer, *1962:* April, 325
Wilms' tumor, radiation therapy, *1962:* April, 415
Wound(s). See also *Injuries.*
complications, after radical mastectomy, *1964:* April, 314
in gynecologic surgery, *1962:* Aug., **1037–1047**
prevention, *1962:* Aug., 1043
dehiscence, *1962:* Feb., 23, Aug., 1042
after abdominoperineal resection, *1964:* April, 455
after appendectomy, *1964:* April, 422
after colon surgery, *1964:* April, 400
after surgery of small intestine, *1964:* April, 394
healing of, common clinical problems in, *1962:* Feb., 23
effects of drugs on, *1962:* Feb., 25
factors involved in, *1962:* Feb., 19

Wound(s) (*Continued*)
healing of, normal process, *1962:* Feb., 15
present knowledge, application to clinical surgery, *1962:* Feb., **15–34**
trauma and, *1962:* Feb., 88
infection of, effect on healing, *1962:* Feb., 23, 27
postoperative, *1964:* April, 553–557
in abdominoperineal resection, *1964:* April, 455
in appendectomy, *1964:* April, 421
in duodenal surgery, *1964:* April, 383, 385
in hernia repair, *1964:* April, 461
in surgery of large intestine, *1964:* April, 397
of small intestine, *1964:* April, 394
of organs. See under names of organs.
operative, infections of, *1963:* June, **859–871**
after abdominal surgery, *1963:* June, 766, 778
hemorrhage due to, *1963:* June, 724
Wrinkles, facial and cervical, surgical removal, *1963:* Aug., **963–972**
Wrist, amputations at, elective, *1964:* Aug., 1121
arthrodesis of, *1964:* Aug., 1005
flexion deformity, in cerebral palsy, treatment, *1964:* Aug., 1063
flexor tendon injuries, primary and secondary repair, practical considerations, *1964:* Aug., 953
fractures, *1964:* Aug., 1000
stabilization, by tenodesis, *1964:* Aug., 1050, 1055

X-RAYS. See *Roentgen.*
Xylocaine. See *Lidocaine.*

ZENKER'S diverticulum, *1964:* June, 589
Zollinger-Ellison syndrome, *1962:* Feb., 195, 212